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11: \cgn2_6/ptodata/2/pubpaa/USO9_PUBCCMB_pep:*
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US-09-978-189-370
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US-10-165-067

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Desnoyers, Luc
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S Sequence 2. Application US/09816920

Patent No. USZ0020119118A1

GENERAL INFORMATION:
APPLICANT: Fong.Sherman

APPLICANT: Goddard, Audrey

APPLICANT: Goddard, Audrey

APPLICANT: Wood, Milliam I.
APPLICANT: Wood, Milliam I.
APPLICANT: Wood, Milliam I.
TILLE OF INVENTION: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING BOLEKINE
FILE REFERENCE: P1192-2 (US)
CURRENT APPLICATION NUMBER: US/09/816,920

CURRENT APPLICATION NUMBER: US 60/064,249

PRIOR FILING DATE: 1999-11-03

PRIOR FILING DATE: 1998-04-27

PRIOR FILING DATE: 1998-04-27

PRIOR PLILING DATE: 1998-03-08

PRIOR PLILING DATE: 1998-03-08

PRIOR PLILING DATE: 1998-03-08

PRIOR FILING DATE: 2000-02-18

PRIOR FILING DATE: 2000-02-18

PRIOR FILING DATE: 2000-03-02

NUMBER: OF SEQ ID NOS: 7

SEQ ID NOS: 7
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Best Local Similarity 100.
Matches 111; Conservative
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PRIOR PELING DATE: 1999-01-12
PRIOR PELING DATE:
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PRIOR PRICATION NUMBER: 60/09139
PRIOR PRICATION NUMBER: 60/09105
PRIOR PRICATION NUMBER: 60/08105
PRIOR PRICATION NUMBER: 60/08105
PRIOR PLING DATE: 1998-03-31
PRIOR PLING DATE: 1998-04-01
PRIOR PLING DATE: 1998-04-02
PRIOR PLING DATE: 1998-04-03
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Sequence 370, Application US/09978697
Patent No. US20020169284A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
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APPLICANT: Besnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon

US-09-978-697-370

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R APPLICATION NUMBER: 60/08150
R APPLICATION NUMBER: 60/082797
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R APPLICATION NUMBER: 60/08336
R FILING DATE: 1998-04-23
R APPLICATION NUMBER: 60/08332
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                       R APPLICATION NUMBER: 60/080105
R FILING DATE: 1998-03-31
R PAPLICATION NUMBER: 60/080107
R FILING DATE: 1998-03-31
R APPLICATION NUMBER: 60/080165
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R APLICATION NUMBER: 60/081070
R FILING DATE: 1998-04-08
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R FILING DATE: 1998-04-15
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R FILING DATE: 1998-04-21
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R APPLICATION NUMBER: 60/082804
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R APPLICATION NUMBER: 60/081195
R FILING DATE: 1998-04-08
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R APPLICATION NUMBER: 60/081203
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APPLICATION NUMBER: 60/082700
     FILING DATE: 1998-03-30
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Kuo, Sophia S.
Napier, Mary A.
Pan, James;
Paoni, Nicholas F.
Roy, Margaret Ann
Shellon, David L.
Tumas, Daniel
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Wood, William I.
                       Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Filvaroff, Ellen
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Gerritsen, Mary E.
Goddard, Audrey
Goddwaki, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kujavin, Ivar J.
Kuo, Sophia S.
Napier, Mary A.
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
                                                                            Paoni, Nicholas F
Gerber, Hanspeter
                                                                      Pan, James
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100.0%; Score 587; DB 9;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0;
    Sequence 370, Application US/09978192A
Patent No. US20020177553A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                         FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085704
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APPLICATION NUMBER: 60/085697
APPLICATION NUMBER: 60/083500
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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APPLICANT: Baker Kevin P.
APPLICANT: Beter in, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Forg, Sherman
APPLICANT: Fong, Sherman
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
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PRICOR PELLING DATE: 1998-01-31
PRICOR APPLICATION NUMBER: 60/08129
PRICOR APPLICATION NUMBER: 60/08131
PRICOR PELLING DATE: 1998-04-01
PRICOR PELLING DATE: 1998-04-01
PRICOR PELLING DATE: 1998-04-01
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PRICOR APPLICATION NUMBER: 60/08136
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PRICOR PILLING DATE: 1998-04-15
PRICOR PILLING DATE: 1998-04-15
PRICOR PILLING DATE: 1998-04-20
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PRICOR APPLICATION NUMBER: 60/08136
PRICOR PILLING DATE: 1998-04-20
PRICOR APPLICATION NUMBER: 60/08136
PRICOR PILLING DATE: 1998-04-20
PRICOR PILLING DATE: 1998-
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MSLI.PRRAPPVSMRILIAAALIJILLIALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 1 MSLLPRRAPPVSMRLLAAALLIJILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY Gaps 61 PHCBEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNBKRRVYBE 111 ö 100.0%; Score 587; DB 9; Length 111; 100.0%; Pred. No. 1.4e-55; Indels 0; Mismatches PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR PELING DATE: 1998-05-06
PRIOR PELING DATE: 1998-05-06
PRIOR PELING DATE: 1998-05-06
PRIOR PELING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR PELING DATE: 1998-05-07
PRIOR PELING DATE: 1998-05-07
PRIOR PELING DATE: 1998-05-07
PRIOR PELING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR APPLICATION NUMBER: 60/084600
PRIOR APPLICATION NUMBER: 60/084627
PRIOR PELING DATE: 1998-05-07
PRIOR PELING DATE: 1998-05-13
PRIOR PELING DATE: 1998-05-15
PRIOR PELING DATE: 1998-05-15 RELING DATE: 1998-04-30

RAPPLICATION NUMBER: 60/084366

RAPLICATION NUMBER: 60/084414

RELING DATE: 1998-05-05

RELING DATE: 1998-05-06

RELING DATE: 1998-05-06

RELING DATE: 1998-05-06

RELING DATE: 1998-05-07

RELING DATE: 1998-05-13

RELING DATE: 1998-05-13 Sequence 370, Application US/09999832A Publication No. US20020192706A1 GENERAL INFORMATION: R APPLICATION NUMBER: 60/085580
R FILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/085573
R FILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/085704
R FILING DATE: 1998-05-15 PRIOR APPLICATION NUMBER: 60/085697 Baker Kevin P.
Botstein, David
Desnoyers, Luc
Baton, Dan
Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
Gerber, Hanspeter
Gerber, Andrey
Goddard, Audrey Query Match Best Local Similarity 100.0 Matches 111; Conservative APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napole
APPLICANT: Filvaroff, Bller
APPLICANT: Filvaroff, Bller
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspete
APPLICANT: Gerber, Hanspete
APPLICANT: Gerber, Hanspete
APPLICANT: Gerber, Hanspete RESULT 5 US-09-999-832A-370 셤 셤 Š 8

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60/080194

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R FILING DATE: 1998-04-22
R APPLICATION NUMBER: 60/082700
R FILING DATE: 1998-04-22
R FILING DATE: 1998-04-22
R FILING DATE: 1998-04-22
R APPLICATION NUMBER: 60/082796
                                                                                                                   FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080328
FILING DATE: 1998-04-01
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FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080334
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FILING DATE: 1998-04-08
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FILING DATE: 1998-04-08
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APPLICATION NUMBER: 60/081071
FILING DATE: 1998-04-08
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FILING DATE: 1998-04-08
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FILING DATE: 1998-04-09
APPLICATION NUMBER: 60/081229
FILING DATE: 1998-04-09
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FILING DATE: 1998-04-15
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APPLICATION UNMBER: 60/081952
FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081838
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FILING DATE: 1998-04-21
APPLICATION NUMBER: 6/082704
FILING DATE: 1998-04-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: 1998-04-23
APPLICATION NUMBER: 60/083336
FILING DATE: 1998-04-27
APPLICATION NUMBER: 60/083322
FILING DATE: 1998-04-28
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APPLICATION NUMBER: 60/081819
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FILING DATE: 1998-04-21
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APPLICATION NUMBER: 60/083392
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APPLICATION NUMBER: 60/083495
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APPLICATION NUMBER: 60/083496
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PPLICATION NUMBER: 60/083742
LING DATE: 1998-04-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/083499
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083558
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 60/082804
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         FILING DATE: 1998-03-31
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                                       APPLICATION NUMBER: 60
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   Additional translation of the control of the contro
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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FILING DATE: 1998-03-31
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APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wold, William I.
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
TITLE PERSENGE: PS630PIC7
CURRENT APPLICATION NUMBER: US/09/978,189
CURRENT FILING DATE: 2001-10-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR PILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR PILING DATE: 1998-03-11
PRIOR PILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR PILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR PILING DATE: 1908-03-1
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PRIOR PILING DATE: 2001-07-30
PRIOR PLING DATE: 2001-07-30
PRIOR PELING DATE: 1997-10-17
PRIOR PLING DATE: 1997-110-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR PLING DATE: 1997-11-3
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PELING DATE: 1997-11-13
PRIOR PELING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR PILING DATE: 1998-03-10
PRIOR PILING DATE: 1998-03-10
PRIOR PILING DATE: 1998-03-10
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RAPPLICATION NUMBER: 60/078910

RAPLICATION NUMBER: 60/078910

RAPLICATION NUMBER: 60/078939

RELING DATE: 1998-03-20

RELING DATE: 1998-03-20

RELING DATE: 1998-03-25

RAPPLICATION NUMBER: 60/079656

RAPLICATION NUMBER: 60/079656

RAPLICATION NUMBER: 60/079664

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079663

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079663

RELING DATE: 1998-03-27

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079683

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/07978

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079786

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079786

RELING DATE: 1998-03-27

RAPLICATION NUMBER: 60/079786
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R FILING DATE: 1998-03-12
A PPLICATION NUMBER: 60/078004
R FILING DATE: 1998-03-13
R RAPLICATION NUMBER: 60/078886
R FILING DATE: 1998-03-20
R APPLICATION NUMBER: 60/078936
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APPLICATION NUMBER: 60/079923
FILING DATE: 1998-03-30
APPLICATION NUMBER: 60/080105
FILING DATE: 1998-03-31
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FILING DAFE: 1998-03-31
APPLICATION NUMBER: 60/080194
FILING DATE: 1998-03-31
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APPLICATION NUMBER: 60/080107
                                                                                                                                                                             Shelton, David L.
Stewart, Timothy A.
                                                                                         Pan, James;
Paoni, Nicholas F.
                                                                                                                                                  Roy, Margaret Ann
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           Kljavin, Ivar J.
Kuo, Sophia S.
                                                                 Napier, Mary A.
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Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Baker Kevin P.
APPLICANT: Baker Kevin P.
APPLICANT: Bater Kevin P.
APPLICANT: Baterin, David
APPLICANT: Eaton, Dan
APPLICANT: Forg. Sherman
APPLICANT: Forg. Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/08441
PRIOR APPLICATION NUMBER: 60/084637
PRIOR PILING DATE: 1998-05-07
PRIOR PILING DATE: 1998-05-07
PRIOR FILING DATE: 1998-05-07
PRIOR FILING DATE: 1998-05-07
PRIOR FILING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR PILING DATE: 1998-05-07
PRIOR PILING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/08533
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-13
PRIOR PELING DATE: 1998-05-13
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PRIOR PELING DATE: 1998-05-13
PRIOR PELING DATE: 1998-05-13
PRIOR PELING DATE: 1998-05-15
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Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 100.
Matches 111; Conservative
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PRIOR PILING DATE: 1998-04-01
PRIOR PILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/08179
PRIOR APPLICATION NUMBER: 60/08179
PRIOR PAPLICATION NUMBER: 60/08129
PRIOR APPLICATION NUMBER: 60/08129
PRIOR APPLICATION NUMBER: 60/08129
PRIOR PILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/08129
PRIOR PILING DATE: 1998-04-09
PRIOR PILING DATE: 1998-04-09
PRIOR PAPLICATION NUMBER: 60/08129
PRIOR PILING DATE: 1998-04-09
PRIOR PILING DATE: 1998-04-15
PRIOR PILING DATE: 1998-04-22
PRIOR PILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/08336
PRIOR PILING DATE: 1998-04-22
PRIOR PILING DATE: 1998-04-29
PRIOR PILING DATE: 1998-04
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1 MSLLPRRAPPVSMRLLAAAALLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60
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100.0%; Pred. No. 1.4e-55;
tive 0; Mismatches 0;
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Publication No. US20030045462A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Betetin, David
APPLICANT: Betetin, David
APPLICANT: Beterin, David
APPLICANT: Ferrara, Napoleon
APPLICANT: Flvaroff, Ellen
APPLICANT: Flvaroff, Ellen
APPLICANT: Flvaroff, Ellen
APPLICANT: Gao, Wei-Qiang
                PRIOR APPLICATION NUMBER: 60/084637
PRIOR PILING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR PLING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084508
PRIOR PLING DATE: 1998-05-07
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PRIOR PLING DATE: 1998-05-13
PRIOR PLING DATE: 1998-05-15
FILING DATE: 1998-05-06
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Best Local Similarity
Matches 111; Conserv
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Godowski, Paul J. Grimaldi, J. Christopher Gurney, Austin L. Hillan, Kenneth J

Kljavin, Ivar J Kuo, Sophia S.

APPLICANT:
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Gerber, Hanspeter Gerritsen, Mary E. Goddard, Audrey

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, ORGANISM: Homo sapiens
US-09-978-585A-370
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                          APPLICANT: Shelton, David L.
APPLICANT: Shewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tunas, Daniel
APPLICANT: Tunas, Daniel
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: P2630P1C22
CURRENT FILING DATE: 2001-10-16
FILE REPERENCE: P2630P1C22
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 370
LENGTH: 111
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100.0%; Score 587; DB 10;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0;
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Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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Shelton, David L.
Stewart, Timothy A.
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Williams, P. Mickey
Wood, William I.
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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Pan, James;
Paoni, Nicholas F.
               Pan, James;
Paoni, Nicholas F.
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Botstein, David
Desnoyers, Luc
Eaton, Dan
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Kuo, Sophia S.
Napier, Mary A.
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APPLICANT: Tumas, Daniel

APPLICANT: Tumas, Daniel

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Williams, P. Mickey

APPLICANT: William I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same

FILE REFERENCE: P6530PLC4

CURRENT APPLICATION NUMBER: US/09/978,191A

CURRENT FILING DATE: 2001-01-13

PRIOR FILING DATE: 2001-07-30

PRIOR PRILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR FILING DATE: 1997-11-13

PRIOR FILING DATE: 1997-11-13

PRIOR FILING DATE: 1997-11-121

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Prior Application removed - See File Wrapper or Palm
SEQ ID NO 370
LENGTH: 111
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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APPLICATION NUMBER: 60/077641
FILING DATE: 1998-03-11
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Shelton, David L.
Stewart, Timothy A.
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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Kuo, Sophia S.
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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Pan, James;
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NUMBER: 60/07764 1998-03-11 1998-03-12 1998-03-12 1998-03-20 100MBER: 60/07808 1998-03-20 1098-03-20 1098-03-20 11998-03-20 11998-03-20 11998-03-20 11998-03-20	NUMBER: 60/07965 1998-03-26 NUMBER: 60/07966 1998-03-26 NUMBER: 60/07966 1998-03-27 NUMBER: 60/07978 1998-03-27 NUMBER: 60/07978 1998-03-27 NUMBER: 60/07992 1998-03-37 NUMBER: 60/08010 1998-03-31 NUMBER: 60/08010 1998-03-31 NUMBER: 60/08010 1998-03-31 NUMBER: 60/08010 1998-03-31 NUMBER: 60/08012 1998-03-31 NUMBER: 60/08032 1998-04-01 NUMBER: 60/08032	NUMBER: 60/081, 1998-04-01 (1998-04-01 (1998-04-08 (1998-04-08 (1998-04-08 (1998-04-08 (1998-04-08 (1998-04-09 (1998-04-09 (1998-04-09 (1998-04-15 (19
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R FILING DATE: 1998-03-27
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R APPLICATION NUMBER: 60/079786
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R APPLICATION NUMBER: 60/081955

R FILING DATE: 1998-04-15

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R APPLICATION NUMBER: 60/081817
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R APPLICATION NUMBER: 60/080334
R FILING DATE: 1998-04-01
R APPLICATION NUMBER: 60/081070
R FILING DATE: 1998-04-08
R APPLICATION NUMBER: 60/081049
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FILING DATE: 1998-04-21
APPLICATION NUMBER: 60/082704
FILING DATE: 1998-04-22
                APPLICATION NUMBER: 60/078004
FILING DATE: 1998-03-13
APPLICATION NUMBER: 60/078986
ALLING DATE: 1998-03-20
APPLICATION NUMBER: 60/078936
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FILING DATE: 1998-03-20
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APPLICATION NUMBER: 60/081203
APPLICATION NUMBER: 60/081229
APPLICATION NUMBER: 60/081229
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FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/079294
FILING DATE: 1998-03-25
APPLICATION NUMBER: 60/079656
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APPLICATION NUMBER: 60/079689
FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079663
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APPLICATION NUMBER: 60/080105
FILING DATE: 1998-03-31
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FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080165
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APPLICATION NUMBER: 60/080194
FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080327
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APPLICATION NUMBER: 60/080328
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APPLICATION NUMBER: 60/080333
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APPLICATION NUMBER: 60/081071
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APPLICATION NUMBER: 60/081195
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APPLICATION NUMBER: 60/082568
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APPLICATION NUMBER: 60/079664
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APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: P2630PLC17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT PILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/06220
PRIOR PILING DATE: 1997-11-03
PRIOR PILING DATE: 1997-11-03
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1997-11-21
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PRIOR PILING DATE: 1998-03-10
PRIOR PILING DATE: 1998-03-11
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                                                                                            Length 111;
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                                                                                        100.0%; Score 587; DB 10; 100.0%; Pred. No. 1.4e-55;
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Gerritsen, Mary B.
Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
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Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Betstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
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Kuo, Sophia S.
Napier, Mary A.
                                                                                        Query Match 100.
Best Local Similarity 100.
Matches 111; Conservative
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PRIOR PRILING DATE: 1998-04-22
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PRIOR PRILICATION WINBERS: 60/08270
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PRIOR PRILICATION WINBERS: 60/08392
PRIOR PRILICATION WINBERS: 60/08359
PRIOR PRILICATION WINBERS: 60/08460
PRIOR PRILICATION WINBERS: 60/08459
PRIOR PRILICATION WINBERS: 60/08599
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TITLE OF INVENTION: Secretain 1.

TITLE OF INVENTION: Secretain the Same File Repeated and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REFERENCE: P2630PLC25

CURRENT APPLICATION NUMBER: US/09/978,564A

CURRENT FILING DATE: 2001-01-0-16

PRIOR APPLICATION NUMBER: 09/918585

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-11-13

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PRIOR FILING DATE: 1997-11-21

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PRIOR FILING DATE: 1997-11-21

PRIOR PILING DATE: 1997-11-21 1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60 Gaps 61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111 PHCEEKOVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111 ö Length 111; Indels Query Match 100.0%; Score 587; DB 10; Best Local Similarity 100.0%; Pred. No. 1.4e-55; Matches 111; Conservative 0; Mismatches 0; Gerritsen, Mary E.
Goddard, Audrey
Goddowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S. Application US/09978564A o. US20030050241A1 ELING DATE: 1997-11-21

A APPLICATION NUMBER: 60/077450

R FILING DATE: 1998-03-10

R APPLICATION NUMBER: 60/077632

PR FILING DATE: 1998-03-11

R APPLICATION NUMBER: 60/077641

R FILING DATE: 1998-03-11 FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077791
FILING DATE: 1998-03-12
APPLICATION NUMBER: 60/078004
FILING DATE: 1998-03-13 APPLICATION NUMBER: 60/077649 FILING DATE: 1998-03-11 Roy, Margaret Ann Shelton, David L. Stewart, Timothy A. Tumas, Daniel Williams, P. Mickey Wood, William I. Ferrara, Napoleon Filvaroff, Ellen Fong, Sherman Gao, Wei-Qiang Sequence 370, Application US/05; Publication No. US20030050241A.; GENERAL INFORMATION: APPLICANT: Ashkenazi, Avi APPLICANT: Baker, Kevin P.; APPLICANT: Bottein, David Paoni, Nicholas F Gerber, Hanspeter Napier, Mary A. Pan, James Desnoyers, Luc Eaton, Dan RESULT 11 US-09-978-564A-370 APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: ద 원 ò

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PRIOR FILING DATE: 1998-04-22
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PRIOR PLILING DATE: 1998-05-07
PRIOR PLILING DATE: 1998-05-18
PRIOR PLILING DATE: 1998-

Length 111;

Query Match 100.0%; Score 587; DB 10; Best Local Similarity 100.0%; Pred. No. 1.4e-55;

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PRIOR AFFILING DATES, 1998—03–20

RIOR APPLICATION NUMBER: 60/079294

RRICR FILING DATE: 1998—03–25

RRICR PLING DATE: 1998—03–25

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RRICR PLING DATE: 1998—04–01

RRICR PLING DATE: 1998—04–15

RRICR APPLICATION NUMBER: 60/08155

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RRICR APPLICATION NUMBER: 60/08156

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                              APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
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PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
      FILING DATE: 1998-03-20
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                                                                                          1 MSLLPRRAPPVSMRLIABABILILILIALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                            1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
   0; Gaps
                                                                                                                                                                                                         61 PHCEEKAVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAMNEKRRVYEE 111
                                                                                                                                                                           61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
0; Indels
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CURRENT APPLICATION NUMBER: US/09/999, 833A
CURRENT APPLICATION NUMBER: US/09/999, 833A
CURRENT APPLICATION NUMBER: US/09/999, 833A
PRIOR APPLICATION NUMBER: 00/91858
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APPLICATION NUMBER: 60/064249
PRIOR APPLICATION NUMBER: 60/064311
PRIOR PILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1998-03-10
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0; Mismatches
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Kuo, Sophia S.
Napier, Mary A.
Pan, James;
Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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Gerritsen, Mary E.
Goddard, Audrey
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Baton, Dan
Matches 111; Conservative
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US-09-999-833A-370
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R APPLICATION NUMBER: 60/082796
R FILING DATE: 1998-04-23
R APPLICATION NUMBER: 60/083336
R FILING DATE: 1998-04-27
R APPLICATION NUMBER: 60/083322
R FILING DATE: 1998-04-28
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083496
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083545
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R FILING DATE: 1998-05-05
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R FILING DATE: 1998-05-06
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R APPLICATION NUMBER: 60/084637
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R APPLICATION NUMBER: 60/084598

R FILING DATE: 1998-05-07

R APPLICATION NUMBER: 60/084643

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R APPLICATION NUMBER: 60/085139

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APPLICATION NUMBER: 60/085689
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
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FILING DATE: 1998-05-07
APPLICATION NUMBER: 60/084640
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APPLICATION UNDBER: 60/085323
FILING DATE: 1998-05-13
APPLICATION NUMBER: 60/085582
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FILING DATE: 1998-05-15
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085704
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APPLICATION NUMBER: 60/085697
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APPLICATION NUMBER: 60/
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Best Local Similarity 100.
Matches 111; Conservative
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AFFLIANI: WOOSU, WILLIAGUE 1.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE RFFERENCE: PASIOPPLOIS

CURRENT APPLICATION NUMBER: US/09/981,915A

CURRENT FILING DATE: 2001-10-16

PRIOR PRIOR APPLICATION NUMBER: 60/96250

PRIOR FILING DATE: 1997-11-03

PRIOR PILING DATE: 1997-11-03

PRIOR PLING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066311

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-13

PRIOR PLING DATE: 1997-11-13

PRIOR PLING DATE: 1997-11-21

PRIOR PLING DATE: 1997-11-11

PRIOR PLING DATE: 1998-03-10

PRIOR PLING DATE: 1998-03-11

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PHCEEKMVIITTXSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
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Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
                                                                                                                                                                                                                                              Sequence 370, Application US/09981915A Publication No. US20030054986A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/078936
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/078910
FILING DATE: 1998-03-20
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FILING DATE: 1998-03-13
APPLICATION NUMBER: 60/078886
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FILING DATE: 1998-03-12
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Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Williams, P. Mickey
Wood, William I.
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Gao, Wei-Qiang
Gerber, Hanspeter
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Filvaroff, Ellen
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
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PRIOR FILING DATE: 1998-04-27
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PRIOR PILING DATE: 1998-04-29
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PRIOR FILING DATE: 1998-04-29
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P PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697 9

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Query Match 100.0%; Score 587; DB 10; Length 111; Best Local Similarity 100.0%; Pred. No. 1.4e-55; Matches 111; Conservative 0; Mismatches 0; Indels 0

MSLIPRRAPPVSWRLILAAALILILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60 1 MSLLPRRAPPVSMRLLAAALLLLLLLLTATYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY

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PRIOR FILING DATE: 1998-04-01
PRIOR PLING DATE: 1998-04-01
PRIOR PILING DATE: 1998-04-01
PRIOR PLING DATE: 1998-04-08
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PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR PILING DATE: 1998-04-08
PRIOR PILING DATE: 1998-04-08
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081203
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DR APPLICATION NUMBER: 60/082569

DR FILING DATE: 1998-04-21

DR APPLICATION NUMBER: 60/08269

DR FILING DATE: 1998-04-22

DR APPLICATION NUMBER: 60/082704

DR FILING DATE: 1998-04-22

DR APPLICATION NUMBER: 60/082700

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DR APPLICATION NUMBER: 60/082797

DR FILING DATE: 1998-04-22

DR APPLICATION NUMBER: 60/082796

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R APPLICATION NUMBER: 60/081819

R FILING DATE: 1998-04-15

R R APPLICATION NUMBER: 60/081838

R FILING DATE: 1998-04-15

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R FILING DATE: 1998-04-15

R RILING DATE: 1998-04-15

R APPLICATION NUMBER: 60/082568
            R APPLICATION NUMBER: 60/079656
R FILING DATE: 1998-03-26
R FILING DATE: 1998-03-27
R APPLICATION NUMBER: 60/079664
R FILING DATE: 1998-03-27
R APPLICATION NUMBER: 60/079669
R PELLING DATE: 1998-03-27
R APPLICATION NUMBER: 60/079663
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FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080107
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APPLICATION UNDHER: 60/081955
FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081817
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APPLICATION NUMBER: 60/080165
FILING DATE: 1998-03-31
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FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080327
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APPLICATION NUMBER: 60/079786
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE REPERENCE: P2630PL014
CURRENT APPLICATION NUMBER: US/09/978,824
CURRENT FILING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 60/06250
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1997-11-12
PRIOR FILING DATE: 1998-03-11
PRIOR FILING DATE: 1998-03-12
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PRIOR FILING DATE: 1998-03-20
                      PHCEEKWVIITTKSVSRYRGOEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 111
PHCBEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
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Gerritsen, Mary E.
Goddard, Audrey
Goddwaldi, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kljavin, Ivar J.
Napier, Mary A.
Pan, James;
Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                                                                                              ; Sequence 370, Application US/09978824; Publication No. US20030055216A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                           Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
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Gao, Wei-Qiang
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APPLICATION NUMBER: 60/083392

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same CURRENT APPLICATION NUMBER: US/09/918,585A CURRENT FILING DATE: 2001-07-30 PRIOR PRILING DATE: 1997-110-17 PRIOR APPLICATION NUMBER: 60/064249 PRIOR PILING DATE: 1997-11-03 PRIOR PILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-13 PRIOR PILING DATE: 1997-11-21 PRIOR APPLICATION NUMBER: 60/064364 PRIOR APPLICATION NUMBER: 60/07450 PRIOR PILING DATE: 1997-11-21 PRIOR PILING DATE: 1998-03-10
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PRIOR PILING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-22
PRIOR PLING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079594
                                                                                         Sequence 370, Application US/09918585A Publication No. US20030060406A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Goddard, Audrey
Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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APPLICATION NUMBER: 60/079656
FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079664
FILING DATE: 1998-03-27
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FILING DATE: 1998-03-11
APPLICATION NUMBER: 60/077641
FILING DATE: 1998-03-11
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FILING DATE: 1998-03-11
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APPLICATION NUMBER: 60/078004
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APPLICATION NUMBER: 60/077791
FILING DATE: 1998-03-12
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APPLICATION NUMBER: 60/078886
                                                                                                                                                                            APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Filvaroff, Ellen
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
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Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Gerritsen, Mary E.
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Paoni, Nicholas F.
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Kljavin, Ivar J.
Kuo, Sophia S.
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                                   RESULT 15
US-09-918-585A-370
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APPLICANT:
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R FILING DATE: 1998-04-29

R APPLICATION NUMBER: 60/083495

R FILING DATE: 1998-04-29

R APPLICATION NUMBER: 60/083545

R FLING DATE: 1998-04-29

R APPLICATION NUMBER: 60/083554

R FILING DATE: 1998-04-29

R APPLICATION NUMBER: 60/083559

R FILING DATE: 1998-04-29

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R APPLICATION NUMBER: 60/08350

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R APPLICATION NUMBER: 60/08350

R FILING DATE: 1998-04-29

R APPLICATION NUMBER: 60/08346

R FILING DATE: 1998-04-39

R APPLICATION NUMBER: 60/08414

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R APPLICATION NUMBER: 60/08414

R FILING DATE: 1998-05-05

R APPLICATION NUMBER: 60/084414
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R APPLICATION NUMBER: 60/084600
R FILING DATE: 1998-5-07
R APPLICATION NUMBER: 60/084627
R RILING DATE: 1998-05-07
R APPLICATION NUMBER: 60/084643
R APPLICATION NUMBER: 60/084643
R APPLICATION NUMBER: 60/085339
R FILING DATE: 1998-05-07
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APPLICATION NUMBER: 60/084637
FILING DATE: 1998-05-07
APPLICATION NUMBER: 60/084639
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APPLICATION UNMBER: 60/085689
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085579
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APPLICATION NUMBER: 60/085697
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APPLICATION NUMBER: 60/085700
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APPLICATION NUMBER: 60/0
FILING DATE: 1998-05-13
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Best Local Similarity 100.7
Matches 111, Conservative
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PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
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PRIOR APPLICATION NUMBER: 60/07928
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PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-03-20
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PRIOR PLING DATE: 1998-04-01
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PRIOR PLING DATE: 1998-04-02
PRIOR PLING DATE: 1998-04-03
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1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY Gaps PHCERKAVIITTKSVSRYRGQEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 111 ö Length 111; Indels 100.0%; Score 587; DB 10; 100.0%; Pred. No. 1.4e-55; iive 0; Mismatches 0; R FILING DATE: 1998-05-07

R APPLICATION NUMBER: 60/085339

R FILING DATE: 1998-05-13

R APPLICATION NUMBER: 60/085338

R FILING DATE: 1998-05-13

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R FILING DATE: 1998-05-13

R APPLICATION NUMBER: 60/085582 R FILING DATE: 1998-04-29
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R APPLICATION NUMBER: 60/084366
R FILING DATE: 1998-05-05
R APPLICATION NUMBER: 60/08414
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R APPLICATION NUMBER: 60/084441 R FILING DATE: 1998-05-06
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R FILING DATE: 1998-05-07
R APPLICATION NUMBER: 60/084639
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R APPLICATION NUMBER: 60/084600

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R APPLICATION NUMBER: 60/084643 FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085689
APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085580 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085573 FILING DATE: 1998-05-15 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083499 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/085700 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085704 FILING DATE: 1998-05-15 PRIOR FILING DATE: 1998-05-15 PRIOR APPLICATION NUMBER: 60/086023 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083554 APPLICATION NUMBER: 60/084598 APPLICATION NUMBER: 60/085697 Query Match
Best Local Similarity 100.0%;
Matches 111; Conservative 0 FILING DATE: 1998-05-15 61 61 셤 8 ઠે

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RESULT 16

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FILING DATE: 1998-03-27
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PRIOR
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ITLE OF INVENTION: Acids Encoding the Same
ILE REFERENCE: P2630P1C75
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CURRENT PELLING DATE: 2001-10-24
PRIOR PELLING DATE: 2001-10-24
PRIOR PELLING DATE: 2001-07-30
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PRIOR FILING DATE: 1997-11-03
PRIOR FILING DATE: 1997-11-13
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PRIOR PILING DATE: 1997-11-13
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PRIOR PELLON DATE: 1998-03-11
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PRIOR PELLON DATE: 1998-03-13
PRIOR PELLON DATE: 1998-03-20
PRIOR PELLON NUMBER: 60/078939
PRIOR PELLON DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR PELLON DATE: 1998-03-20
PRIOR PELLON DATE: 1998-0
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
Napier, Mary A.
                      Sequence 370, Application US/09999834A Publication No. US20030064407A1 GENERAL INFORMATION:
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APPLICATION NUMBER: 60/079656
FILING DATE: 1998-03-26
APPLICATION NUMBER: 60/079664
FILING DATE: 1998-03-27
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Shelton, David L.
Stewart, Timothy A.
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Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
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Goddard, Audrey
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Paoni, Nicholas F
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                                                                                                    APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
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US-09-999-834A-370
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APPLICANT:
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PRIOR FILING DATE: 1999-04-01
PRIOR PELICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR FILING DATE: 1998-04-08
PRIOR FILING DATE: 1998-04-08
PRIOR FILING DATE: 1998-04-08
PRIOR PELICATION NUMBER: 60/081195
PRIOR PELICATION NUMBER: 60/081195
PRIOR PELICATION NUMBER: 60/08129
PRIOR PELING DATE: 1998-04-09
PRIOR PELING DATE: 1998-04-09
PRIOR PELING DATE: 1998-04-09
PRIOR PILING DATE: 1998-04-15
PRIOR PILING DATE: 1998-04-15 APPLICATION NUMBER: 60/079663 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079728 FILING DATE: 1998-03-27 FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/080334
FILING DATE: 1998-04-01
APPLICATION NUMBER: 60/081070
FILING DATE: 1998-04-08 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079786 PRIOR APPLICATION NUMBER: 60/082796 PRIOR FILING DATE: 1998-04-23 PRIOR APPLICATION NUMBER: 60/083336 APPLICATION NUMBER: 60/083392 FILING DATE: 1998-04-28 LING DATE: 1998-04-29
PPLICATION NUMBER: 60/083495
LING DATE: 1998-04-29 FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079920 FILING DATE: 1998-03-30 APPLICATION NUMBER: 60/079923 FILING DATE: 1998-03-30 APPLICATION NUMBER: 60/080105 FILING DATE: 1998-03-31 APPLICATION NUMBER: 60/080107 FILING DATE: 1998-03-31 APPLICATION NUMBER: 60/080165 FILING DATE: 1998-03-31 PRIOR FILING DATE: 1998-04-21 PRIOR APPLICATION NUMBER: 60/082704 PRIOR FILING DATE: 1998-04-22 FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082700 FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082797 APPLICATION NUMBER: 60/083336 FILING DATE: 1998-04-27 APPLICATION NUMBER: 60/083496 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/080194 APPLICATION NUMBER: 60/080328 FILING DATE: 1998-04-01 APPLICATION NUMBER: 60/080333 FILING DATE: 1998-04-22 APPLICATION NUMBER: 60/082804 FILING DATE: 1998-04-27 APPLICATION NUMBER: 60/083322 FILING DATE: 1998-04-28 APPLICATION NUMBER: 60/080327 APPLICATION NUMBER: 60/082569 1998-04-22 1998-04-01 1998-04-2 1998-03-3

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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ITILE OF INVENTION: Acids Encoding the Same
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CURRENT APPLICATION NUMBER: US/09/978,423A
CURRENT FILING DATE: 2002-05-16
PRIOR PLING DATE: 2001-07-30
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PRIOR APPLICATION NUMBER: 60/07896
PRIOR PELING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/07896
PRIOR PELING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078939
PRIOR PELING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR PELING DATE: 1998-03-20
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
Napier, Mary A.
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FILING DATE: 1998-03-27
APPLICATION NUMBER: 60/079663
FILING DATE: 1998-03-27
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APPLICATION NUMBER: 60/079664
FILING DATE: 1998-03-27
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Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Williams, P. Mickey
Wood, William I.
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Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Filvaroff, Ellen
                                                                                              Botstein, David
                                                                                                                        Desnoyers, Luc
Eaton, Dan
                             APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
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                                                                                                                                                                                                                                                                                                                                                                                                 R APPLICATION NUMBER: 60/084366

R APPLICATION NUMBER: 60/084366

R APPLICATION NUMBER: 60/084414

R APPLICATION NUMBER: 60/084441

R APPLICATION NUMBER: 60/084441

R FILING DATE: 1998-05-06

R APPLICATION NUMBER: 60/084637

R APPLICATION NUMBER: 60/084637

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R APPLICATION NUMBER: 60/084600

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R APPLICATION NUMBER: 60/084627

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R APPLICATION NUMBER: 60/084643
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R FILING DATE: 1998-05-13
R APPLICATION NUMBER: 60/085338
R FILING DATE: 1998-05-13
R APPLICATION NUMBER: 60/085323
R APPLICATION NUMBER: 60/085323
R APPLICATION NUMBER: 60/08582
R FILING DATE: 1998-05-15
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R RILING DATE: 1998-05-15
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R APPLICATION NUMBER: 60/085689
R FILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/085689
R FILING DATE: 1998-05-15
                      R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083545
RR APPLICATION NUMBER: 60/08354
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083559
R APPLICATION NUMBER: 60/08359
R FILING DATE: 1998-04-29
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083500
R FILING DATE: 1998-04-29
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FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085573
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APPLICATION NUMBER: 60/085697
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   60/083499
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US-09-978-423A-370 ; Sequence 370, Application US/09978423A ; Publication No. US20030069178A1

RESULT 17

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MSLLPRRAPPVSMRLLAAALLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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100.0%; Score 587; DB 10;
Best Local Similarity 100.0%; Pred. No. 1.4e-55;
Matches 111; Conservative 0; Mismatches 0;
                        PRIOR APPLICATION NUMBER: 60/083554
PRIOR PLLING DATE: 1998-04-29
PRIOR PELLING DATE: 1998-04-30
PRIOR PELLING DATE: 1998-04-30
PRIOR PELLING DATE: 1998-04-30
PRIOR PELLING DATE: 1998-05-05
PRIOR PELLING DATE: 1998-05-05
PRIOR PELLING DATE: 1998-05-06
PRIOR PELLING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/08533
PRIOR APPLICATION NUMBER: 60/08532
PRIOR PELLING DATE: 1998-05-13
PRIOR PELLING DATE: 1998-05-15
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                     APPLICATION NUMBER: 60/083554
FILING DATE: 1998-04-29
   1998-04-29
FILING DATE:
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Sequence 370, Application US/09978193A
Publication No. US20030073624A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.

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APPLICANT: Shelton, David L.
APPLICANT: Shelton, David L.
APPLICANT: Shelton, David L.
APPLICANT: Tumas, David L.
APPLICANT: Tumas, David L.
APPLICANT: Tumas, David L.
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, William L.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: PSS30PIG.
CURRENT FILING DATE: 2010-02-02-1
RRIOR FILING DATE: 1097-10-730
RRIOR FILING DATE: 1097-10-730
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RRIOR RILING DATE: 1098-03-27
RRIOR RILING DATE: 1098-03-37
RRIOR RILING DATE: 10
                                                                                                                                                                                                                                                  Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kljavin, Ivar J.
Napier, Mary A.
Pan, James;
Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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APPLICATION NUMBER: 60/079728
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APPLICATION NUMBER: 60/079786
                                                                       Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
Gao, Wei-Qiang
                                                                                                                                                                               Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
Botstein, David
                          Desnoyers, Luc
Eaton, Dan
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APPLICANT:
APPLICANT:
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APPLICANT:
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PRIOR FILING DATE: 1998-04-15
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PRIOR APPLICATION NUMBER: 60/081817
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PRIOR PILING DATE: 1998-04-28 R APPLICATION NUMBER: 60/083495
R APPLICATION NUMBER: 60/083496
R FILING DATE: 1998-04-29
R FILING DATE: 1998-04-29 RELING DATE: 1998-03-31

RAPLICATION NUMBER: 60/080107

RAPLICATION NUMBER: 60/080165

RELING DATE: 1998-03-31

RAPLICATION NUMBER: 60/080194

RELING DATE: 1998-03-31

RAPLICATION NUMBER: 60/080194

RAPLICATION NUMBER: 60/080137

RAPLICATION NUMBER: 60/08038

RILING DATE: 1998-04-01

RAPLICATION NUMBER: 60/08038

RILING DATE: 1998-04-01

RAPLICATION NUMBER: 60/08038

RILING DATE: 1998-04-01

RAPLICATION NUMBER: 60/08034

RELING DATE: 1998-04-01

RAPLICATION NUMBER: 60/081049

RELING DATE: 1998-04-08

RAPLICATION NUMBER: 60/081070

RELING DATE: 1998-04-08

RELING DATE: 1998-04-09

RELING DATE: 1998-04-09 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083554 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/079920 FILING DATE: 1998-03-30 APPLICATION NUMBER: 60/079923 FILING DATE: 1998-03-30 APPLICATION NUMBER: 60/080105 1998-03-27

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APPLICANT: WOOSD, MILLSGELE d. and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same PLOS REPERENCE: PAGE 2001-09:31

CURRENT APPLICATION NUMBER: US/09/999,830A

CURRENT FILING DATE: 2001-08-31

PRIOR FILING DATE: 2001-07-30

PRIOR FILING DATE: 2001-07-30

PRIOR PILING DATE: 1997-11-03

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PRIOR PILING DATE: 1997-11-21

PRIOR PILING DATE: 1998-03-10

PRIOR PILING DATE: 1998-03-10

PRIOR PILING DATE: 1998-03-10
                                                                                                                                                            Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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FILING DATE: 1998-03-13
APPLICATION NUMBER: 60/078886
FILING DATE: 1998-03-20
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APPLICATION NUMBER: 60/078936
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APPLICATION NUMBER: 60/077791
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FILING DATE: 1998-03-20
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Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
Williams, P. Mickey
Ferrara, Napoleon
Filvaroff, Ellen
Fong, Sherman
                                                                                                                 Gerritsen, Mary E.
Goddard, Audrey
                                                                                             Gerber, Hanspeter
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Kuo, Sophia S.
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                                                                Wei-Qiang
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 111;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 587; DB 10;
100.0%; Pred. No. 1.4e-55;
tive 0; Mismatches 0;
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Publication No. US20030077700A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Bete Sevin P.
APPLICANT: Bete Sevin P.
APPLICANT: Bete Sevin P.
APPLICANT: Betover, Luc
APPLICANT: Eaton, Dan
                                                                                                                                                                                                                                                                                         THE LILY DATE: 1998-05-06

RAPPLICATION NUMBER: 60/084637

RELING DATE: 1998-05-07

RELING DATE: 1998-05-07
                                                                                    R APPLICATION NUMBER: 60/083500
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083742
R FILING DATE: 1998-04-30
R APPLICATION NUMBER: 60/084366
R FILING DATE: 1998-05-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R FILING DATE: 1998-05-13
R APPLICATION NUMBER: 60/085582
R FILING DATE: 1998-05-15
R PILING DATE: 1998-05-15
R RILING DATE: 1998-05-15
R APPLICATION NUMBER: 60/085689
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APPLICATION NUMBER: 60/085579
FILING DATE: 1998-05-15
APPLICATION NUMBER: 60/085580
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FILING DATE: 1998-05-06
APPLICATION NUMBER: 60/084441
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APPLICATION NUMBER: 60/085323
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APPLICATION NUMBER: 60/085573
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Best Local Similarity 100.
Matches 111, Conservative
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FILING DATE: 1998-03-27 APPLICATION NUMBER: 60/079786 FILING DATE: 1998-03-27

APPLICATION NUMBER: 60/079920

FILING DATE: 1998-03-30

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OR FILING DATE: 1998-03-30

OR APPLICATION NUMBER: 60/080105

OR APPLICATION NUMBER: 60/080105

OR APPLICATION NUMBER: 60/080104

OR APPLICATION NUMBER: 60/080194

OR APPLICATION NUMBER: 60/080194

OR APPLICATION NUMBER: 60/080194

OR APPLICATION NUMBER: 60/080131

OR APPLICATION NUMBER: 60/080132

OR APPLICATION NUMBER: 60/080152

OR APPLICATI
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FILING DATE: 1998-04-29
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PRIOR
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1 MSLLPRRAPPVSMRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60 1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111 .; Length 111; Indels 100.0%; Score 587; DB 10; 100.0%; Pred. No. 1.4e-55; 0; Mismatches Sequence 370, Application US/09978757A
Publication No. US20030083248A1
GENERAL INFORMATION:
APPLICANT: Baker Kevin P.
APPLICANT: Faton, Dan
APPLICANT: Faton, Dan
APPLICANT: Frivara, Napoleon
APPLICANT: Fong, Sherman OR AFFLICATION NUMBER: 60/084509
OR PLING DATE: 1998-05-07
OR PLING DATE: 1998-05-07
OR PLING DATE: 1998-05-07
OR APPLICATION NUMBER: 60/084598
OR PLING DATE: 1998-05-07
OR APPLICATION NUMBER: 60/084627
OR PLING DATE: 1998-05-07
OR PLING DATE: 1998-05-13
OR PLING DATE: 1998-05-13 R FILING DATE: 1998-04-30
R APPLICATION NUMBER: 60/084366
RR APPLICATION NUMBER: 60/08414
RR APPLICATION NUMBER: 60/084414
RR APPLICATION NUMBER: 60/084411
RR APPLICATION NUMBER: 60/08441
RR APPLICATION NUMBER: 60/08441
RR APPLICATION NUMBER: 60/084637
RR APPLICATION NUMBER: 60/084637
RR APPLICATION NUMBER: 60/084637 APPLICATION NUMBER: 60/085580 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085573 APPLICATION NUMBER: 60/085689 FILING DATE: 1998-05-15 PPLICATION NUMBER: 60/085579 FILING DATE: 1998-05-15 PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION WUMBER: 60/085704
PRIOR FILING DATE: 1998-05-16
PRIOR APPLICATION NUMBER: 60/085697 FILING DATE: 1998-05-15 Query Match 100.0 Best Local Similarity 100.0 Matches 111; Conservative RESULT 20 US-09-978-757A-370 셤 8 용

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FILING DATE: 1998-03-31
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APPLICANT: William I. Mickey
APPLICANT: William I.
TITLE OP INVENTION: Science and Transmembrane Polypeptides and Nucleic
TITLE OP INVENTION: Science and Transmembrane Polypeptides and Nucleic
TITLE OP INVENTION: Science and Transmembrane Polypeptides and Nucleic
TITLE OP INVENTION: Science and Transmembrane Polypeptides and Nucleic
TITLE OP INVENTION: Science and Transmembrane Polypeptides and Nucleic
TITLE OP INVENTION: ADMINER: 05/09/978.757A
CURRENT FILING DATE: 2001-07-319
REIOR PILLING DATE: 1997-11-017
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REIOR PILLING DATE: 1997-11-019
REIOR PILLING DATE: 1998-03-10
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REIOR PILLING DATE: 1999-03-20
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                                                                                                     Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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FILING DATE: 1998-03-30
APPLICATION NUMBER: 60/080105
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Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
                        Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Kuo, Sophia S.
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Wei-Qiang
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APPLICANT:
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PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR PLING DATE: 1998-04-15
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PRIOR FILING DATE: 1998-04-15
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PRIOR PLING DATE: 1998-04-21
PRIOR PELING DATE: 1998-04-21
PRIOR PLING DATE: 1998-04-22
PRIOR PLING DATE: 1998-04-22 R APPLICATION NUMBER: 60/080107

R FILING DATE: 1998-03-31

R FILING DATE: 1998-03-31

R APPLICATION NUMBER: 60/080155

R FILING DATE: 1998-03-31

R APPLICATION NUMBER: 60/080194

R FILING DATE: 1998-04-01

R APPLICATION NUMBER: 60/080328

R FILING DATE: 1998-04-01

R APPLICATION NUMBER: 60/080338

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R APPLICATION NUMBER: 60/080334

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R APPLICATION NUMBER: 60/08034

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R FILING DATE: 1998-04-08

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R FILING DATE: 1998-04-08

R APPLICATION NUMBER: 60/081071

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APPLICATION NUMBER: 60/081229
FILING DATE: 1998-04-09
APPLICATION NUMBER: 60/081955
FILING DATE: 1998-04-15 FILING DATE: 1998-04-28 APPLICATION NUMBER: 60/083392 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083545 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083554
FILING DATE: 1998-04-29
APPLICATION NUMBER: 60/083558 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083559 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083500 FILING DATE: 1998-04-29 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083495 FILING DATE: 1998-04-29 APPLICATION NUMBER: 60/083496 PRIOR FILING DATE: 1998-04-29 PRIOR APPLICATION NUMBER: 60/083499 APPLICATION NUMBER: 60/083322 1998-04-27

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APPLICANT:

ANDOM, NILLIAM

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PLGS

CURRENT APPLICATION NUMBER: US/09/978,187B

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: 60/06250

PRIOR APPLICATION NUMBER: 60/06250

PRIOR PILING DATE: 1997-11-03

PRIOR PILING DATE: 1997-11-03

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OR APPLICATION NUMBER: 60/078004

OR PILING DATE: 1998-03-13

OR PILING DATE: 1998-03-13

OR PILING DATE: 1998-03-20

OR PILING DATE: 1998-03-20

OR APPLICATION NUMBER: 60/078936

OR FILING DATE: 1998-03-20

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OR APPLICATION NUMBER: 60/079664

OR FILING DATE: 1998-03-27

OR APPLICATION NUMBER: 60/079663

OR FILING DATE: 1998-03-27

OR APPLICATION NUMBER: 60/079663

OR PILING DATE: 1998-03-27

OR APPLICATION NUMBER: 60/079786
                                       Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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APPLICATION NUMBER: 60/080105
FILING DATE: 1998-03-31
APPLICATION NUMBER: 60/080107
FILING DATE: 1998-03-31
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FILING DATE: 1998-03-30
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APPLICATION NUMBER: 60/079923
                                                                                                                                                                                                                                                                                       Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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                                                                                                                                   Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
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APPLICANT:
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Publication No. US20030096744A1
GENERAL INFORMATION:
APPLICANT: ABAKenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Baker Kevin P.
APPLICANT: Bater Kevin P.
APPLICANT: Baterin, David
APPLICANT: Farrara, Napoleon
APPLICANT: Forg, Sherman
APPLICANT: Forg, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR FILING DATE: 1998-05-05
PRIOR PELING DATE: 1998-05-06
PRIOR PLING DATE: 1998-05-06
PRIOR PELING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/08441
PRIOR APPLICATION NUMBER: 60/084639
PRIOR PELING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR PILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR PILING DATE: 1998-05-07
PRIOR PILING DATE: 1998-05-13
PRIOR PILING DATE: 1998-05-15
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Matches 111; Conservative
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US-09-978-187B-370
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REFLIGATION NUMBER: 60/081049
REPLICATION NUMBER: 60/081049
REPLICATION NUMBER: 60/081049
REPLICATION NUMBER: 60/081071
REPLICATION NUMBER: 60/081195
REPLICATION NUMBER: 60/081195
REPLICATION NUMBER: 60/081203
REPLICATION NUMBER: 60/081817
                        R FILING DATE: 1998-03-31
R APPLICATION NUMBER: 60/080194
R FILING DATE: 1998-03-31
R APPLICATION NUMBER: 60/080327
R FILING DATE: 1998-04-01
R APPLICATION NUMBER: 60/080328
R FILING DATE: 1998-04-01
R APPLICATION NUMBER: 60/080333
R FILING DATE: 1998-04-01
R APPLICATION NUMBER: 60/080334
R FILING DATE: 1998-04-01
R R FILING DATE: 1998-04-01
R APPLICATION NUMBER: 60/08134
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R APPLICATION NUMBER: 60/081838
R APPLICATION NUMBER: 60/082568
R FILING DATE: 1998-04-21
R FILING DATE: 1998-04-21
R FILING DATE: 1998-04-21
R FILING DATE: 1998-04-21
R APPLICATION NUMBER: 60/082569
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R APPLICATION NUMBER: 60/083495
R PILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083496
R FILING DATE: 1998-04-29
R PILING DATE: 1998-04-29
R FILING DATE: 1998-04-29
R PILING DATE: 1998-04-29
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R APPLICATION NUMBER: 60/083554
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/08358
R FILING DATE: 1998-04-29
R APPLICATION NUMBER: 60/083559
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APPLICATION NUMBER: 60/081819
FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/081952
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APPLICATION NUMBER: 60/082797
FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/082796
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APPLICATION NUMBER: 66/082804
FILING DATE: 1998-04-22
APPLICATION NUMBER: 60/082700
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APPLICATION NUMBER: 60/083336
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APPLICATION UNBER: 60/083322
FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/083392
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1 MSLLPRRAPPVSMRLLAAALLILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60 1 MSLLPRRAPPVSMRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY Gaps 61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111 PHCEEKAVIITTKSVSRYRGQEHCLHPKLQSTKRFIKAYNAMNEKRRVYEE 111 .; 0 Length 111; 0; Indels Query Match 100.0%; Score 587; DB 10; Best Local Similarity 100.0%; Pred. No. 1.4e-55; Matches 111; Conservative 0; Mismatches 0; RESULT 22
US-09-978-643A-370
; Sequence 370, Application US/09978643A
; Publication No. US20030104998A1
; RENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P. PRIOR APPLICATION NUMBER: 60/084414
PRIOR PILING DATE: 1998-05-06
PRIOR PILING DATE: 1998-05-06
PRIOR PILING DATE: 1998-05-06
PRIOR PILING DATE: 1998-05-07
PRIOR PILING DATE: 1998-05-13
PRIOR PILING DATE: 1998-05-15
PRIOR PILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085704 FILING DATE: 1998-05-15 APPLICATION NUMBER: 60/085697 Ferrara, Napoleon Filvaroff, Ellen Fong, Sherman Gao, Wei-Qiang Desnoyers, Luc Eaton, Dan Gao, APPLICANT:
APPLICANT:
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Godowski, Paul J. Grimaldi, J. Christopher

Gerber, Hanspeter Gerritsen, Mary E. Goddard, Audrey

APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT

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FILE REFERENCE: P2630P1C24
CURRENT APPLICATION NUMBER: US/09/978,375A
CURRENT FILING DATE: 2002-04-19
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PRIOR APPLICATION NUMBER: 60/064249
PRIOR PILING DATE: 1997-110-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-13
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1997-11-21
PRIOR PILING DATE: 1998-13-10
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PRIOR APPLICATION NUMBER: 60/062250
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Shelton, David L.
Stewart, Timothy A.
Tumas, Daniel
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Best Local Similarity 100.0%;
Matches 111; Conservative 0
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Goddard, Audrey
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Filvaroff, Ellen
Fong, Sherman
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Gerber, Hanspeter
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Desnoyers, Luc
Eaton, Dan
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Pan, James;
                                                                                                                            TYPE: PRT
ORGANISM: Homo sapiens
US-09-978-375A-370
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                                                                                                                                                                                     APPLICANT: Williams, P. Mickey
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630PITCS
CURRENT APPLICATION NUMBER: US/09/978,643A
CURRENT FILING DATE: 2001-10-16
NUMBER OF SEQ ID NOS: 624
Prior Application removed - See File Wrapper or Palm
SEQ ID NO 370
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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US-09-978-375A-370
Sequence 370, Application US/09978375A
Publication No. US20030130181A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
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Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
                                                                                         Pan, James;
Paoni, Nicholas F.
Roy, Margaret Ann
Shelton, David L.
Stewart, Timothy A.
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Gao, Wei-Qiang
Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
                   Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
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Filvaroff, Ellen
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Kuo, Sophia S.
Napier, Mary A.
                                                                              Napier, Mary A.
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Botstein, David
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Best Local Similarity 100.
Matches 111; Conservative
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Eaton, Dan
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US-09-978-643A-370
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                                                                                                                                                                                                                                                                                                                 1 MSLLPRRAPPVSMRLLAAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                                                                                                                                                                                                                                   Gaps
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0
                                                                                                                                                                                                           Length 111;
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Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 624
SEQ ID NO 370
LENGTH: 111
                                                                                                                                                                                                              ; Score 587; DB 10;
; Pred. No. 1.4e-55;
0; Mismatches 0;
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
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NUMBER: 60/077632 1998-03-11 1998-03-11 NUMBER: 60/077649 1998-03-11 1998-03-11 1998-03-12 NUMBER: 60/07791 1998-03-13 NUMBER: 60/078004 1998-03-13 NUMBER: 60/078036 1998-03-20 1998-03-20 NUMBER: 60/078936 1998-03-20 NUMBER: 60/078936		
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APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Tumas, Daniel
APPLICANT: Wood, Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
APPLICANT: Money
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Grimaldi, J. Christopher
Gurney, Austin L.
Hillan, Kenneth J
Kljavin, Ivar J.
Kuo, Sophia S.
Napier, Mary A.
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PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
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PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
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1 Publication No_US20030139328A1
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APPLICATION NUMBER: 60/077641
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Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Filvaroff, Ellen
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Best Local Similarity 100.0
Matches 111; Conservative
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APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
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Eaton, Dan
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FILING DATE: 1998-04-15
APPLICATION NUMBER: 60/082568
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APPLICATION NUMBER: 60/077649
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APPLICATION NUMBER: 60/07791
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Sequence 111 AA;
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11-SEP-1998;
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(GETH) GENENTECH INC.

Chen J; Baker KP, Yuan J, Gurney A, Goddard A,

WPI; 1999-551358/46. N-PSDB; AAZ34205.

New secreted and transmembrane polypeptides and their polynucleotides, useful for treating blood coagulation disorders, cancers and cellular adhesion disorders.

Claim 12; Fig 149; 530pp; English

The present invention describes secreted and transmembrane polypeptides and their polynucleotides. The nucleotide sequences are useful as sources of probes, primers, for chromosome mapping, and for generation of antisense sequences. They can also be used to create transgenic animals. The proteins can be used to treat a variety of diseases and disorders, depending on their function. Diseases that may be treated include blood coagulation disorders, cancers and cellular adhesion disorders. They may also be used to raise antibodies. AAZ33891 to AAZ34338, and AAY41685 to AAY41774 represent polynucleotide and polypeptide sequence given in the exemplification of the present invention

100.0%; Score 587; DB 2; Length 111; 100.0%; Pred. No. 1.6e-59; Query Match Best Local Similarity m

AAY28290

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Human; immune related disease; diagnosis; antiinflammatory; cardiant; KW dermatological; antiarthritic; antirheumatic; immunosuppressive; haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective; kW antianaemic; hepatotropic; virucide; antiporiatic; antiallergic; antiasthmatic; apstend; virucide; antiporiatic; antiallergic; wintiasthmatic; apstend; lupus erythematosus; rheumatoid arthritis; osteoarthritis; spondyloarthropathy; systemic sclerosis; sarcoidosis; widiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis; wystemic vasculitis; autoimmune heamolytic anaemia; diabetes mellitus; we systemic vasculitis; autoimmune-mediated renal disease; demyelinating disease; hepatobiliary disease; Whipple's disease; inflammatory bowel disease; gluten-sensitive eneropathy; autoimmune disease; inmune-mediated skin disease; whipple disease; mmune-mediated skin disease; allergic disease; munune-mediated skin disease; allergic disease; we immunological disease; transplantation associated disease;
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Lu Y, Pan J, Pennica D, Shelton DL, Smith V;
Tumas D, Watanabe CK, Wood WI, Yan M;
                              Human PRO273 protein UNQ240 SEQ ID NO:46.
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99WO-US008615.
99US-0131445P.
99US-0132371P.
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 29-JAN-2001 (first entry)
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06-JAN-2000;
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Stewart TA,
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                                                    1 MSLLPRRAPPVSMRLLAAAALLLILLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This is the amino acid sequence for the Tim-1 CXC chemokine. The Tim-1 gene can be used to design therapeutic tools for treating inflammation due to stimuli such as heart attacks and stroke, infection, physical trauma, UV or ionizing radiation, burns, frostbite or corrosive chemicals. The Tim-1 gene and subgenomic polynucleotides can be used in
                                1 MSLLPRRAPPVSMRLLAAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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                                                                                                                      PHCEEKWVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKMYNAMNEKRRVYEE 111
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0; Indels
0; Mismatches
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Best Local Similarity 100.
Matches 111; Conservative
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N-PSDB; AAX89708.
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AAB33423 ID AAB: XX AC AAB: XX

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                                                                                                                                                                                                                  The present invention describes sixty four human PRO proteins which can be used in the treatment of immune related diseases. The human PRO proteins, anti-PRO antibodies, agoniets and antagoniets are useful for treating and diagnosing immune related disorders. The disorders are selected from systemic lupus erythematosus, rheumatoid arthritis, costeoarthritis, juvenile chronic arthritis, mopathies, systemic sclerosis, idiopathic inflammatory myopathies, Siggren's syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopaenia, thyroiditis, diabetes mellitus, immune-mediated renal disease, demyelinating diseases of the central and peripheral nervous systems, hepatobiliary diseases, immunological disease, gluten-sensitive enteropathy and Whipple's disease, autoimmune or immune-mediated skin diseases, allergic diseases, immunological cor immune-mediated skin diseases, allergic diseases, immunological cor immune-mediated skin diseases, allergic diseases, immunological cor immune mediated skin diseases, allergic diseases, allergic diseases and profession associated diseases including graft rejection and graft-versus-host-disease. AACS8397 to AACS8578 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AACS8579 to AACS8579 ceremplification of the present invention
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                                                                       Sixty four PRO polypeptides, useful in the diagnosis and treatment of immune related disorders, e.g. systemic lupus erythematosis, rheumatoid arthritis, osteoarthritis, thyroiditis and diabetes mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MSLLPRRAPPUSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; secreted protein; transmembrane protein; PRO; EST; cytostatic;
expressed sequence tag; detection; cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 587; DB 3; Length 111; 100.0%; Pred. No. 1.6e-59; Live 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PRO273 (UNQ240) protein sequence SEQ ID NO:370.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB44295 standard; protein; 111 AA
                                                                                                                                                                           Claim 33; Fig 20; 309pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99US-0123957P.
99US-0126773P.
99US-0131445P.
99US-0134287P.
99US-0141037P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 111; Conservative
WPI; 2000-572271/
N-PSDB; AAC58588.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 111 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        12-MAR-1999;
29-MAR-1999;
21-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-MAY-1999;
23-JUN-1999;
26-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-SEP-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAB44295;
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IID AAB4

AAC AAB4

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AAC78458 to AAC78599 represent polynucleotide and EST (expressed sequence tag) sequences which encode secreted or transmembrane PRO polypeptides. The PRO polynucleotides and polypeptides have cytostatic activity. The polynucleotides and polypeptides can be used for detecting the presence of PRO polypeptides in samples, for linking bloactive molecules to cells and for modulating biological activities of cells, using the polypeptides for specific targeting. The polypeptide targeting can be used to kill the target cells, e.g. for the treatment of cancers. The polypeptide pairs provide specific targeting of bloactive molecules to cells. AAC78600 to AAC788787 represent PCR primers and probes used in the isolation of the PRO polynucleotide sequences.
                                                                                                                                                                                                                                                                                                                                                                                   Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL; Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME; Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ; Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL; Stewart TA, Tumas D, Williams PM, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel PRO polypeptides and polynucleotides used in detection methods, t
target bioactive molecules to specific cells, and to modulate cellular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 MSILPRRAPPVSMRLLAAAILILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Score 587; DB 3; Length 111; 100.0%; Pred. No. 1.6e-59; ive 0; Mismatches 0; Indels 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ā
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                                                           99WO-US028565.
99WO-US030095.
99WO-US031274.
2000WO-US000219.
2000WO-US000277.
   99WO-US028313
99WO-US028551
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Best Local Similarity 100.0
Matches 111; Conservative
                                                                                                                                                                                                                                                                                                                           (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-611443/58.
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                                                                                                                                                                                             05-JAN-2000;
06-JAN-2000;
06-JAN-2000;
30-NOV-1999;
02-DEC-1999;
02-DEC-1999;
16-DEC-1999;
30-DEC-1999;
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This introductor transfer of the sequences AAF93917 - A
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                                                                                                                                                                                                                                                                                                                                                                      secretory proteins/membrane proteins, useful in
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leukocyte trafficking; adhesion; endothelial cell; chemoattractant;
proliferation; activation; systemic lupus erythematosus; arthritis;
angiogenesis; systemic sclerosis; autoimmune haemolytic anaemia;
thyroiditis; diabetes mellitus; renal disease; demyelinating disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       - AAF93916
                                                                                                                                                                                                                                     Hayashi K;
                                                                                                                                                                                                                                                                                                                                                                                                 gene therapy or as candidate target molecules in drug development
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             61 PHCEBKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKMYNAWNEKRRVYEE 111
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; SEQ ID NO 324; 609pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to nucleic acid sequences AAF93744
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                                                                                                                                                                                                                                     Sugiyama T,
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                                                                                                                                                                                                                                     Kawai Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ź
                                                                                                                                                                                                                                     Isogai T, Nishikawa T,
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                           07-JUL-2000; 2000EP-00114090.
                                                                               99JP-00194179
                                                                                                     11-JAN-2000; 2000JP-00118775
02-MAY-2000; 2000JP-00183766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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Matches 111; Conservative
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                                                                                                                                                                                 (HELI-) HELIX RES INST.
                                                                                                                                                                                                                                                                                                                                                                      Nucleic acids encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       relates
                                                                                                                                                                                                                                                                                       WPI; 2001-093989/11.
N-PSDB; AAF93905.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention
                                                                         08-JUL-1999;
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                                                                                                                                                                                                                                     Ota T,
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ID ABG70798

XX ABG7

XX ABG7

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XX XX Hume

KW Hume

KW Prol

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KW Prol

KW Agng1

KW Agng
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inflammatory bowel disease; autoimmune skin disease; alopecia; psoriasis; allergy; asthma; atopic dermatitis; food hypersensitivity; lung disease; stroke; encephalitis; multiple sclerosis; agonist; antagonist; T-lymphocyte; monouclear cell; eosinophil; polymorphonuclear neutrophil; PMN; plutipotent cell; neuronal cell; MAP2; transgenic; therapeutic; gene therapy; tumour; neovascularisation.
nervous system; polyneuropathy; hepatitis; primary biliary cirrhosis;
                                                                                                                                                                                                                                                                                                                                                 35. .111
//label= Mature_Bolekine
80. .85
/note= "N-myristoylation site"
                                                                                                                                                                                                                                                                                            1. .34
/label= Signal_peptide
                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98US-0083336P.
99WO-US005028.
2000WO-US004341.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JS2002119118-A1
                                                                                                                                                                                                                                                                                                                                                                                                    Modified-site
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08-MAR-1999;
                                                                                                                                                                                                             Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                 Protein
                                                                                                                                                                                                                                                                                            Peptide
                                                                                                                                                                                                                                                                  Key
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Wood WI; Roth I, Goddard A, Hillan KJ, Fong S,

WPI; 2002-740172/80.

Novel Bolekine polypeptide useful for identifying agonist and antagonist of the polypeptide, and for treating immune related disorder, e.g. systemic lupus erythematosus and rheumatoid arthritis in a mammal. N-PSDB; ABS55212

Claim 15; Fig 2; 63pp; English.

The invention discloses a human Bolekine polypeptide, or its fragment.

Leukocytes play a important role in the immune response and the processes

C by which these cells move to their appropriate destination is critical.

Chemokines are involved in leukocyte trafficking by mediating the

c expression of adheaion molecules on endothelial cells, producing

C chemoatractants, stimulate proliferation and regulate activation of

specific cell types. The polymoclectide, polypeptide and antibodies

c raised against the polypeptide are useful for treating an immune related

disorder in a mammal, such as systemic lupus erythematosus, arthritis,

c raised against the polypeptide are useful for treating an immune related

c injourder in a mammal, such as systemic lupus erythematosus, arthritis,

c thyroiditis, diabetes mellitus, renal disease, demolytic aneamia,

c thyroiditis, diabetes mellitus, renal disease, demolytic aneamia,

c thyroiditis, diabetes mellitus, renal disease, an autoimmune or

thyroiditis, diabetes mellitus, powel disease, an autoimmune or

c inmune-mediated skin disease, alopecia, psoriasis, allergic disease,

c asthma, acopic dermatitis, food hypersensitivity, immunologic disease,

c and polymucleotides are also useful for identifying a compound (agonist

cor antagonist) that inhibits the expression of activity of Bolekine, for

diagnosing an immune related disease in a mammal, for modulating the

cor antagonist) that inhibits the smonounclear cells, ensinophils and

conducting the differentiation of pluripotent cells in a mammal, where the cells differentiate to a state such that neuronal

c mammal, where the cells differentiate to a state such that neuronal

c mammal, where the cells differentiate to a state such that neuronal

c mammal, where the cells differentiate to a state such that neuronal

c markers (e.g. MAR2) are detected. The polymucleotides are also useful for for development and screening of therapeutically useful agents, in gene therapy, chromosome markers and diagnostically for tissue typing and treating tumours by inhibiting the neovascularisation. The sequence presented is the human Bolekine protein

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98US-0081195P.
98US-0081203P.
98US-0081210P.
98US-00818110P.
98US-0081818P.
98US-0081818P.
98US-0081818P.
98US-0081813P.
98US-008181P.
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98US-0113296P.
98US-0113621P.
99WO-US000106.
 09-APR-1998;
09-APR-1998;
15-APR-1998;
15-APR-1998;
15-APR-1998;
15-APR-1998;
22-APR-1998;
22-APR-1998;
22-APR-1998;
22-APR-1998;
23-APR-1998;
23-APR-1998;
29-APR-1998;
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11-SEP-1998;
07-OCT-1998;
07-OCT-1998;
02-NOV-1998;
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23-DEC-1998;
05-JAN-1999;
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06-MAY-1998;
07-MAY-1998;
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26-JUN-1998;
26-JUN-1998;
                                                                                                                                                                                                                                                                                                                                          07-MAY-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -NOV-1998
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                                                                                                                                                                                                                                                          Human; secreted and transmembrane protein; PRO; virucide; gene therapy, cell death; growth induction cascade; blood coagulation cascade; viral infection.
                                                                      1 MSLLPRRAPPVSMRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                                                MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                   Gaps
                                                                                                          PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                   ö
                              Length 111;
                                                  Indels
                                                                                                                                                                                                                                          Novel human secreted and transmembrane protein PRO273.
                              100.0%; Score 587; DB 5; 100.0%; Pred. No. 1.6e-59;
                                                  0; Mismatches
                                                                                                                                                                                ABO25241 standard; protein; 111 AA
                                                                                                                                                                                                                                                                                                                                                                              97US-0062250P.
97US-0064249P.
97US-0066341P.
97US-0077631P.
98US-0077641P.
98US-0077641P.
98US-0077641P.
98US-0077641P.
98US-0078938P.
98US-0078938P.
98US-0078938P.
98US-0078938P.
98US-0079658P.
98US-0079664P.
98US-0079664P.
98US-0079664P.
98US-0079664P.
98US-007968P.
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                                                                                                                                                                                                                      09-SEP-2003 (first entry)
                                         Best Local Similarity 100.
Matches 111; Conservative
            Sequence 111 AA;
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13-NOV-1997

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21-MAR-1998
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                                                                                                                                                                                                                                                                                                                                          13-MAR-2003
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                                                                                                                                                                                                    ABO25241;
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                                Query Match
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Gaps

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Indels

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Human; secreted and transmembrane protein; PRO; antiinflammatory; antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic; antidiabetic; gene therapy; inflammatory disease; organ failure; atherosclerosis; cardiac injury; infertility; birth defect; premature aging; AIDS; cancer; diabetic complication; chromosome mapping gene mapping; pharmaceutical; diagnostic; biosensor; bioreactor;
                                                                                  MSLLFRRAPPVSMRLLBAALLLLLBAYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                               1 MSLLPRRAPPVSMRLLAAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                                                                                       PHCBEKAVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
    6; Length 111;
                                                                                                                                                                                                                                                                                                                        Novel human secreted and transmembrane protein PRO273.
    Query Match 100.0%; Score 587; DB 6; Best Local Similarity 100.0%; Pred. No. 1.6e-59, Matches 111; Conservative 0; Mismatches 0
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97US-0064249P.
97US-0066341P.
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98US-0077641P.
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25-MAR-1998;
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11-MAR-1998;
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30-MAR-1998;
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27-MAR-1998;
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20-DEC-2000; 2000W3-00747259.
22-MAR-2001; 2001W3-08086744.
22-MAR-2001; 2001W3-08816744.
22-MAR-2001; 2001W3-08816744.
22-MAR-2001; 2001W3-08816920.
22-MAY-2001; 2001W3-08816920.
25-MAY-2001; 2001W3-0881780.
25-MAY-2001; 2001W3-0881780.
25-MAY-2001; 2001W3-0881780.
26-JUN-2001; 2001W3-0881780.
36-JUN-2001; 2001W3-0881863.
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2000WO-US005841.
2000WO-US005319.
2000WO-US004439.
2000WO-US014042.
2000WO-US014042.
2000WO-US014941.
2000WO-US015264.
2000WO-US020710.
2000WO-US0203128.
2000WO-US0203128.
99US-00254465.
99WG-US005028.
99WG-US005190.
99WG-US005190.
99US-0126773P.
99US-0126773P.
99US-0130232P.
99US-0131022P.
99US-0131445P.
99US-0131445P.
99US-0131445P.
99US-0131445P.
99US-0131445P.
99US-0131445P.
99US-0141037P.
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99US-014062P.
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2000WG-US034956
2000WG-US034956
2001WG-US006520
2001US-00816744
2001US-00816744
2001US-00816920
2001US-00816920
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2000WO-US000376.
2000WO-US003565.
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28-JUL-1999;
25-AUG-1999;
25-AUG-1999;
25-AUG-1999;
30-NOV-1999;
02-DEC-1999;
02-DEC-1999;
30-DEC-1999;
30-DEC-1999;
30-DEC-1999;
30-DEC-1999;
30-DEC-1999;
31-DEC-1999;
31-DE
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30-MAY-2000;
02-JUN-2000;
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08-NOV-2000;
27-NOV-2000;
01-DEC-2000;
 05-MAR-1999,

08-MAR-1999,

10-MAR-1999,

12-MAR-1999,

12-MAR-1999,

12-MAR-1999,

12-APR-1999,

12-APR-1999,

14-APR-1999,

14-MAY-1999,

14-MAY-1999,

14-MAY-1999,

14-MAY-1999,

16-JUN-1999,

16-JUN-1999,

16-JUN-1999,

16-JUN-1999,
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98US-0080334P. 98US-0081049P. 98US-0081070P.

01-APR-1998; 08-APR-1998;

Gerritsen ME; Eaton DL;

Desnoyers L, W, Gerber H,

Botstein D, Fong S, Gao

J, Baker KP, Filvaroff E,

Ashkenazi AJ, Ferrara N,

38-APR-1998;

mapping;

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22-APR-1998; 98US-00822004P.
22-APR-1998; 98US-0082704P.
22-APR-1998; 98US-0082704P.
22-APR-1998; 98US-0082804P.
23-APR-1998; 98US-0082804P.
23-APR-1998; 98US-0082804P.
20-NOV-1998; 98WO-US02194P.
20-NAR-1999; 99WO-US00106.
08-MAR-1999; 99WO-US00106.
08-MAR-1999; 99WO-US012928.
30-NOV-1999; 99WO-US01292.
30-DEC-1999; 99WO-US028551.
02-DEC-1999; 99WO-US028551.
03-DEC-1999; 99WO-US028551.
05-DAN-2000; 2000WO-US000519.
06-JAN-2000; 2000WO-US0003176.
11-FEB-2000; 2000WO-US0003176.
11-FEB-2000; 2000WO-US0003176.
11-FEB-2000; 2000WO-US0003176.
11-MAR-2000; 2000WO-US000319.
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30-MAR-2000; 2000W0-US008439.
17-MAY-2000; 2000W0-US014042.
22-MAY-2000; 2000W0-US014041.
30-MAY-2000; 2000W0-US014941.
28-JUL-2000; 2000W0-US015564.
28-JUL-2000; 2000W0-US015264.
                                  98US-0081817P.
98US-0081819P.
98US-0081838P.
                                                             98US-0081952P.
98US-0081955P.
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20-DEC-2000; 2000WO-US034956.
28-FEB-2001; 2001WO-US006520.
22-MAR-2001; 2001WO-US009552.
       98US-0081195P.
98US-0081203P.
                         98US-0081229P
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                       09-APR-1998;
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21-APR-1998;
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(GETH) GENENTECH INC.

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KP, Botstein D, Desnoyers L, Eaton DL;
E, Fong S, Gao W, Gerber H, Gerritsen ME;
PJ, Grimaldi JC, Gurney AL, Hillan KJ;
Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
Williams PM, Wood WI;
Ashkenazi AJ, Baker KP,
Ferrara N, Filvaroff E,
Goddard A, Godowski PJ,
                                                                                           Tumas D,
                                                                        Kuo SS,
                         Ferrara N, F
Goddard A, G
Kljavin IJ,
Stewart TA,
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WPI: 2003-328860/31. N-PSDB; ACA63773.

New secreted and transmembrane nucleic acids and polypeptides, designated as PRO, useful for treating inflammation, organ failure, atherosclerosis, cardiac injury, infertility, birth defects, premature aging, AIDS, or

Claim 12; Fig 149; 453pp; English

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Human; Bolekine; T-lymphocyte proliferation; immune related disorder;

KW systemic lupus erythematosis; rheumatoid arthritis; osteoarthritis;

KW juvenil chronic arthritis; spondyloarthropathy; systemic sclerosis;

KW idiopathic inflammatory myopathy; Sjogran's syndrome;

KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia;

KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia;

KW mutoimmune thromobocytopaenia; thyroiditis; diabetes mellitus;

KW idiopathic demyelinating polyneuropathy; diallen-Barre syndrome;

KW idiopathic demyelinating polyneuropathy; duillen-Barre syndrome;

KW chronic inflammatory demyelinating polyneuropathy; hepatobiliary disease;

KW hepatitis primary biliary cirrhosis; granulomatous hepatitis;

KW sclerosing cholangitis; inflammatory bowel disease;

KW sclerosing cholangitis; inflammatory bowel disease;

KW altern-sensitive enteropathy; Whipple's disease;

KW altern-sensitiva toppic dermatitis; food hypersensitivity; urticaria;

KW hypersensitivity pneumonitis; graft rejection; graft-versus-host disease;
The invention describes an isolated nucleic acid (I) comprising, or which is at least 80 % sequence identity to, or the full-length coding sequence of, any of 118 300-2100 nucleotide sequences, which encodes its corresponding PRO polypeptide sequences, which encodes its sequences, all given in the specification. The nucleic acids and polypeptides are useful for treating inflammatory diseases, organ failure, atherosclerosis, cardiac injury, infertility, birth defects, premature aging, AIDS, cancer, or diabetic complications. The nucleic acids are useful as hybridisation probes, in chromosome and gene mapping, and n generating antisene RNA or DNA. The polypeptides are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. Both are useful in tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide
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Best Local Similarity 100.0%; Pred. No. 1.6e-59;
Matches 111; Conservative 0; Mismatches 0; Indels
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/note≈ "signal peptide"
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                                                                                                                                                                                                                                                                                                    Sequence 111 AA;
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inflammatory bowel disease; reproductive disorder; premature labour
                                                            US2002177553-A1.
                                Homo sapiens.
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22-MAY-2000;
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 Treating an immune related unsolvent e.g. systemic arthritis, a prondyloarthropathy, systemic sclerosis, an idiopathic inflammatory myopathy, Sjogren's syndrome, systemic vasculidis, saccoidosis, autoimmune haemolytic anaemia, autoimmune thromobocytopaenia, through disease of the central or peripheral nervous system, compositionating disease of the central or peripheral nervous system, idiopathic demyelinating polyneuropathy, duillen-Barre syndrome, a chronic inflammatory demyelinating polyneuropathy, duillen-Barre syndrome, a chronic inflammatory demyelinating polyneuropathy, duillen-Barre syndrome, idiopathic demyelinating polyneuropathy, duillen-Barre syndrome, chronic inflammatory demyelinating polyneuropathy, a hepatobiliary chronic inflammatory demyelinating polyneuropathy, an inflammatory disease, infectious or autoimmune chronic active hepatitis, primary biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis, inflammatory bowel disease, gluten-sensitis, sclerosing, bullous skin disease, asthma, allergic rhinitis, atopic dermatitis, food disease, asthma, allergic rhinitis, atopic dermatitis, food disease, asthma, allergic rhinitis, atopic dermatitis, proriasis, hypersensitivity prenumonitis, a transplantation associated disease, graft rejection or graft-versus-host disease. The Bolekine polypeptides and encoding nucleic acid molecules can also be used as hybridization probes, for generation of transgenic animal, gene therapy, as molecular weight markers,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                        New Bolekine polypeptides and encoding nucleic acids, useful for treating an immune related disorder such as systemic lupus erythematosis, rheumatoid arthritis, psoriasis, asthma, allergic rhinitis and atopic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 60
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                                                                                                                                                                                                                      present sequence represents a human Bolekine polypeptide. Bolekine
                                                                                                                                                                                                                                   polypeptides are active stimulators of the proliferation of T-
lymphocytes. Bolekine polypeptides and polynucleotides are useful for
treating an immune related disorder e.g. systemic lupus erythematosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MSLIPRRAPPVSMRLLAAALLILLILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
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                               Wood WI;
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                               Roth I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABU84927 standard; protein; 111 AA
                             Hillan KJ,
                                                                                                                                                                                       Claim 15; Fig 2; 96pp; English.
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(GETH ) GENENTECH INC.
                               Goddard A,
                                                            2003-018887/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                           N-PSDB; ABV72423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 111 AA;
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98US-00187368.
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15-OCT-2001; 2001US-00978192
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99WO-US005028
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The invention relates to an isolated secreted and transmembrane polypeptide, designated as PRO polypeptide. The PRO polypeptide is useful for in PRO polypeptide is useful for in PRO polypeptide is useful for in PRO polypeptide is useful for intiming a bioactive molecule to a cell. The PRO polypeptide or an antibody against it is useful for modulating a biological activity of a cell. The PRO polypeptide is useful in industrial applications including plarmaceuticals, diagnostics, biosensors and bionecators. The PRO polypeptide is useful for treating disease such as thereby an explored propertied is a setul as a thrombolytic agent, interferon, interleukin, erythropoietin, colony stimulating factor and other cycokinnes. The PRO polypeptide is useful for treating disease such as cancer e.g. cancer a.g. calorectal carcinoma; apoptosis related conditions e.g. AIDS, amyotrophic lateral sclerosis; inflammatory disease e.g. Alzhaimer's disease, cancer cancerdegenerative disease e.g. Alzhaimer's disease, parkinson's disease; cardiovascular disease e.g. Alzhaimer's disease, cardiovascular disease e.g. pulmonary hypertension, bronchial asthmania satural disease e.g. pulmonary hypertension, bronchial asthmania gastrointestinal disorders e.g. premature labour and precelampsia; carcinogenesis. The present sequence represents the amino cald sequence of a RRO polypeptide of the princitor of the princip action but cald act for this patent did not form part of the princip appendence. The sequence cald act for this patent did not form directly from USPTO at sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated PRO polypeptides e.g. PRO213, PRO274 and PRO300, for use as pharmaceuticals, diagnostics, biosensors and bioreactors, for identifying modulators of receptor-ligand interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , Baker KP, Botstein D, Desnoyers L, Eaton DL;
Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
Tumas D, Williams PM, Wood WI;
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        02-UNI-2000; 2000MC-US0115264.
28-JUL-2000; 2000MC-US012564.
28-JUL-2000; 2000MC-US0231328.
08-NOV-2000; 2000WC-US023328.
07-NOV-2000; 2000WC-US023349.
27-NOV-2000; 2000WC-US032679.
20-DEC-2000; 2000WC-US032678.
20-DEC-2000; 2000WC-US032678.
22-MAR-2001; 2001WC-US034956.
22-MAR-2001; 2001WC-US034956.
22-MAR-2001; 2001WC-US09552.
10-MAY-2001; 2001WC-US0954208.
10-MAY-2001; 2001WC-US095238.
10-MAY-2001; 2001WC-US0974208.
11-JUN-2001; 2001WC-US0974208.
11-JUN-2001; 2001WC-US097639.
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29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
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Ferrara N, Filvaroff E,
Goddard A, Godowski PJ,
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Goddard A, G
Kljavin IJ,
Stewart TA,
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           MSLLPRRAPPVSMRLLAAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
                                                                                                                                                                                               Human; PRO polypeptide; secreted and transmembrane protein; immune disorder; diabetes; hyper-insulinaemia; cardiac insulficiency; nervous system disorder; kidney disorder; bone disorder; cartilage disorder; arthritis; tumour; wound healing; genetic disorder; cytostatic; antidiabetic; antiinflammatory; antiarthritic; anti-tumour; vulnerary; antianaemic; dermatological;
                                         111
                                                    PHCEEKMYI I TTKSVSRYRGQEHCLHPKLQSTKRFI KWYNAWNEKRRVYEE
                                         PHCEEKMVIITTKSVSRYRGOEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE
                                                                                                                ABU61125 standard; protein; 111 AA.
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97US - 0062250P .
97US - 0065311P .
97US - 0065311P .
98US - 0077440P .
98US - 0077440P .
98US - 0077741P .
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Best Local Similarity 100. Matches 111; Conservative

Query Match

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The present invention relates to the isolation of novel human PRO polypeptides, and the polynuclectide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are useful for detecting other PRO polypeptides, for linking bioactive molecules to cells expressing PRO polypeptides, for modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , Baker KP, Botstein D, Desnoyers L, Eaton D; Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen MB; Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ; Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL; Tumas D, Williams PM, Wood WI;
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                              99WO-US012252.
99US-00380137.
99US-00380138.
99US-00380142.
                                                                                   99WO-US028551.
99WO-US028565.
99WO-US030095.
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06-JAN-2000;
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08-NOV-2000;
27-NOV-2000;
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Goddard A, G
Kljavin IJ,
Stewart TA,
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25-AUG-1999;
25-AUG-1999;
30-NOV-1999;
02-DEC-1999;
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21-MAR-2000;
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identifying agonists or antagonists. The bloactive molecule maybe a toxin, radiolabel or antibody, and causes apoptosis or death of the cell.

The PRO polypeptides are useful for treating immune disorders, diabetes or hyper-or hypo-insulinaemia, cardiac insufficiency, nervous system cliosorders, kidney disorders, bone and cartilage disorders or arthritis, tumours, and wound healing. The polymucleotide sequences encoding PRO polypeptides are useful as hybridisation probes, in chromosome and gene mapping, in the generation of antisense RNA and DNA, in the preparation of PRO polypeptides, for generating transgenic animals or knockout animals, for the genetic analysis of individuals with genetic disorders, and in gene therapy. ABUG101-ABUG1164 represent the human PRO polypeptides of the invention. Note: The sequence data for this patent was obtained in electronic format directly from the USPTO web site at sequence the unsupposed the animals of the invention of the control of the control of the control of the control of the unsupposed the control of the contro
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biological activities of cells expressing PRO polypeptides, and for for
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100.0%; Pred. No. 1.6e-59;
iive 0; Mismatches 0;
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Best Local Similarity 100.
Matches 111; Conservative
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26-MAR-1998;
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The invention relates to a new isolated nucleic acid molecule comprises a sequence with at least 80% identity to: (a) a nucleotide encoding any of 94 RNO polypeptides whose sequences are fully defined in the specification; or (b) any of 94 nucleotide sequences fully defined in the specification; or the full length coding sequence of any these 94 nucleotide sequences. Also included are an isolated PRO polypeptide in the social sequence included are an isolated PRO polypeptide having at least 80% posttives when compared to any of the PRO polypeptide having at least 80% amino acid sequence identity to: (a) an amino acid sequence identity to: (a) an amino acid sequence identity to: (a) an amino acid sequence identity to: (b) the PRO polypeptide, with or specification; (b) the PRO polypeptide, lacking its associated signal peptide, a chimacial comprising the PRO polypeptide, with or acid and peptide; or (c) an extracellular domain of the PRO polypeptide, with or acid molecule, a host call comprising the PRO polypeptide fused to a heterologous amino acid sequence and an anti-PRO antibody. The PRO polypeptides or polyputolescoperates in the proposition of the prosectors. These are particularly useful for detecting or treating e.g. malignancies or lammacouticals, archaed seroparticularly and propertides are useful as pharmacouticals, and in the diagnostics, infertility, premature aging, postiable, colorectal cancer, sarcoma, letkaemia or lymphoma), inflammatory disease, renal disease, arthritis, immune-mediated alopecia, stroke, encephalitis, hepatitis, or multiple sclerosis in mammals. The PRO polypeptides are useful in drug screening, particularly as targets for therapeutic intervention in these diseases. The PRO polypeptides are useful in drug screening, particularly propertides are useful in drug screening colorectal and in gene therapy, particularly or colorectal in gene therapy, particularly or colorectal in gene therapy, particularly particularly propertides are useful as molecular wells and per per particular a Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL; Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME; Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ; Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL; Stewart TA, Tumas D, Williams PM, Wood WI; New genes and secreted and transmembrane polypeptides (e.g. PRO337 or PRO1559), useful for treating or diagnosing e.g. cancers, atherosclerosis, infertility, stroke, encephalitis, hepatitis or multiple 9 9 1 MSLLPRRAPPVSMRLLAAALLILLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY 0; Gaps PHCEEKOWIITTKSVSRYRGOEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 111 Length 111; Indels gene. The present sequence represents a PRO polypeptide 100.0%; Score 587; DB 6; 100.0%; Pred. No. 1.6e-59; iive 0; Mismatches 0; ADA24909 standard; protein; 111 AA. Claim 12; Fig 149; 460pp; English. 20-NOV-2003 (first entry) Query Match 100. Best Local Similarity 100. Matches 111; Conservative (GETH) GENENTECH INC sclerosis in mammals. WPI; 2003-341189/32. N-PSDB; ACA66318 Seguence 111 AA; ADA24909; 61 RESULT 13 ADA24909 axyxa %XCCCCCCCCCCCCCCCCCCCCCCCX 셤 ò g ሯ

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Human; secreted and transmembrane protein; PRO; tissue typing; chromosome identification; vaccine; cancer; retinal disorder; spotre-related joint disorder; osteoarthritis; rheumatoid arthritis; wound healing; obesity; diabetes; hearing loss; cardiac insufficiency disorder; kidney disorder; nervous system disorder; haemoglobin associated disorder.
         transmembrane protein PRO273.
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970S-0064249P.
970S-0066341P.
980S-00776432P.
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980S-0077643P.
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         Novel human secreted and
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                                                                                             Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated PRO polypeptides for example extracellular, secreted and membrane bound proteins, useful for modulating the biological activities of cells and for treating, for example diabetes, cancer, rheumatoid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes an isolated secreted and transmembrane (PRO) polypeptide (I). PRO337 polypeptide is useful for detecting PRO4993 polypeptide in a sample, and vice versa. PRO725, PRO700 and PRO739 are useful for detecting PRO155 polypeptide in a sample, and PRO1559 is useful for detecting PRO125, PRO700 and PRO739 is useful for linking a bioactive molecule to a cell expressing a PRO437 polypeptide, and PRO337 is useful for linking a bioactive molecule to a cell expressing a PRO439 is polypeptide. PRO4993 is useful for linking a bioactive molecule to a cell expressing a PRO4999 is polypeptide. PRO4559 is useful for linking a bioactive molecule to a cell expressing a PRO735, PRO700 and PRO739
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100.0%; Pred. No. 1.6e-59;
tive 0; Mismatches 0;
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        10-MAR-2000; 2000MO-US005811.
10-MAR-2000; 2000WO-US005811.
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130-MAR-2000; 2000WO-US005812.
17-MAR-2000; 2000WO-US013705.
17-MAY-2000; 2000WO-US013705.
180-MAY-2000; 2000WO-US01441.
22-JUN-2000; 2000WO-US012584.
24-AUG-2000; 2000WO-US01378.
24-AUG-2000; 2000WO-US01378.
20-DEC-2000; 2000WO-US038128.
20-DEC-2000; 2000WO-US038128.
20-DEC-2000; 2000WO-US0380552.
22-MAR-2001; 2001WO-US017092.
22-MAR-2001; 2001WO-US017092.
23-MAR-2001; 2001WO-US017092.
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Human; secreted and transmembrane protein; PRO; cell death; neuropathy; peripheral neuropathy; diabetic peripheral neuropathy; AIDS-associated neuropathy; Charcot-Marie-Tooth disease; Refusum's disease; Abetalipoproteinaemia; Tangier disease; Krabbe's disease; Metachromatic leukodystrophy; Pabry's disease; Dejerine-Sottas syndrome; chromosome mapping; gene mapping; gene therapy.
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Baker KP, Botstein D, Desnoyers L, Eaton DL;
llvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
odowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
lumas D, Williams PM, Wood WL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention describes an isolated, secreted and transmembrane polypeptide, termed PRO polypeptide (I). (I) is useful for detecting PRO493; PRO317, PRO4595, PRO735, PRO735, PRO735, PRO517, PRO5175, PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel secreted and transmembrane polypeptide for modulating biological activity of cell expressing the polypeptide, identifying agonists or antagonists of polypeptide, and as molecular weight markers.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 12; Fig 149; 459pp; English.
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                                                                  2000WO-US014042.
2000WO-US014941.
2000WO-US015264.
2000WO-US020710.
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2001WO-US019692.
2001WO-US021066.
2001WO-US021735.
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2000WO-US032678.
2000WO-US034956.
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2001WO-US009552.
2001WO-US017092.
                       2000WO-US008439.
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Best Local Similarity 100.0
Matches 111, Conservative
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30-MAY-2000;
30-MAY-2000;
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24-AUG-2000;
01-DEC-2000;
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22-MAR-2001;
25-MAY-2001;
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99WO-US030095.
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14-MAY-1999;
14-MAY-1999;
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15-MAY-1998;
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28-MAY-1998;
28-MAY-1998;
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  96US-0018049P

97US-0062250P

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                                   US2003055216-A1
                                                                                                    21-MAY - 1996, 170-CCT - 1997, 103-NOV - 1997, 113-NOV - 1997, 113-NOV - 1997, 113-NOV - 1997, 113-NOV - 1998, 113-MAR - 1998, 113-MAR - 1998, 125-MAR - 1998, 20-MAR - 199
              Homo sapiens
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cardiac-insufficiency disorder; peripheral neuropathy, diabetic peripheral neuropathy, reduced motility of the gastrointestinal tract; atony of the urinary bladder; post polio syndrome; Krabbe's disease; Charcot-Marie-Tooth disease; Fabry's disease; Tangier disease; Refsum's disease.
   celiac disease; dermatitis; Crohn disease; neuropathy;
                                                                                                                                                                                                                                               97US-0064249P
97US-0064349P
97US-0064349P
97US-0066364P
98US-00776412P
98US-00776419P
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20-MAR-1998
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Fong S, Gao W, Gerber H, Gerritsen ME;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO19587 standard; protein; 111 AA
                                                                                        2000WO-US00504.
2000WO-US00581.
2000WO-US005319.
2000WO-US007532.
2000WO-US00839.
2000WO-US013705.
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2001US-00816744.
2001US-00816920.
2001WO-US009552.
2001US-00854208.
 99WO-US031274.
2000WO-US000219.
2000WO-US000277.
                                              2000WO-US000376
2000WO-US003565
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2000WO-US015264
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2000WO-US023328
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Ferrara N, Filvaroff E,
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30-DEC-1999;

05-JAN-2000;

06-JAN-2000;

11-FEB-2000;

24-FEB-2000;

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21-MAR-2000;

22-MAR-2000;

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22-MAY-2000;

23-MAY-2000;

24-FEB-2000;

26-FEB-2000;

27-NOV-2000;

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27-NOV-2000;

28-FEB-2001;

22-MAR-2001;

22-MAR-2001;

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22-MAR-2001;

22-MAR-2001;

22-MAR-2001;

21-MAY-2001;

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19-JUN-2001;
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98US-01093485

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99US-0113296P

99WS-013296P

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99US-00380137.
99US-00380138.
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29-APR-1998

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30-APR-1998

60-MAY-1998

60-MAY-1999

60-MAR-1999

60-MA
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28-JUL-1999;
25-AUG-1999;
25-AUG-1999;
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MSLLPRRAPPVSMRLLAAALLLLLLLLTTTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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99US-00380142.
99US-0162505P.
99WO-US02813.
99WO-US02855.
99WO-US03095.
99WO-US031243.
99WO-US031274.
2000WO-US031274.
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2000WO-US014042.
2000WO-US014941.
2000WO-US015264.
2000WO-US023328.
2000WS-0703328.
2000WS-0703328.
2000WS-0703349.
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2000WS-0703349.
2000WS-0703349.
2000WS-070349.
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2000WO-US003565.
2000WO-US004341.
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2000WO-US005841.
2000WO-US006319.
2000WO-US007532.
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22-MAR-2001;
10-MAY-2001;
21-MAY-2001;
21-MAY-2001;
21-UN-2001;
01-JUN-2001;
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28-JUL-2000;
24-AUG-2000;
08-NOV-2000;
27-NOV-2000;
20-DEC-2000;
20-DEC-2000;
28-PRE-2001;
28-PRE-2001;
 25-AUG-1999;
29-OCT-1999;
30-NOV-1999;
02-DEC-1999;
16-DEC-1999;
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30-DEC-1999;
30-JAN-2000;
11-FEB-2000;
11-FEB-2000;
24-FEB-2000;
10-MAR-2000;
21-MAR-2000;
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17-MAY-2000;
22-MAY-2000;
30-MAY-2000;
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11-FEB-2000; 2000WO-US003565.

24-FEB-2000; 2000WO-US004341.

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20-DEC -2000; 2000WO-US01566.

22-MAR-2001; 2001WS-US01662.

22-MAR-2001; 2001WS-US01692.

23-MAR-2001; 2001WS-US016692.

25-MAY-2001; 2001WS-US017890.

25-MAY-2001; 2001WS-US017890.

26-JUN-2001; 2001WS-US017890.

26-JUN-2001; 2001WS-US0166.

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Matches 111; Conservative
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The present invention relates to the isolation of novel human PRO polypeptides, and the polynucleotide sequences encoding them. The PRO polypeptides are secreted and transmembrane proteins. The PRO polypeptides are useful for detecting other PRO polypeptides, for linking bioactive molecules to cells expressing PRO polypeptides, for modulating biological activities of cells expressing PRO polypeptides, and for identifying agonists or antagonists. The bioactive molecule maybe a toxin, radiolabel or antibody, and cause cell death. The PRO polypeptides are useful for treating neuropathy and neuropathy related diseases such as Charcot Marie-Tooth disorder, Refsum's disease, and Krabbe's disease. The polynucleotide sequences encoding PRO polypeptides are useful as hybridisation probes, in chromosome and gene mapping, in the generation
                                                                                                                                                                                                                                                                                       New PRO polypeptides useful for treating peripheral neuropathy, neuropathies associated with systemic disease such as post-polio syndrome or AIDS-associated syndrome.
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H, Gerritsen ME;
Hillan KJ;
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20-JUN-2001; 2001WO-US019692.
29-JUN-2001; 2001WO-US021736.
09-JUL-2001; 2001WO-US021735.
30-JUL-2001; 2001US-00918585.
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Filvaroff E,
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Goddard A,
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100.0%; Pred. No. 1.6e-59;
tive 0; Mismatches 0;
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30-MAR-2000; 2000MO-US008439.

22-MAY-2000; 2000MO-US013705.

22-MAY-2000; 2000MO-US014941.

28-JUL-2000; 2000MO-US014941.

28-JUL-2000; 2000MO-US015264.

24-AUG-2000; 2000MO-US0132678.

27-NOV-2000; 2000WO-US02338.

27-NOV-2000; 2000WO-US02338.

27-NOV-2000; 2000WO-US032678.

20-DEC-2000; 2000WO-US032678.

20-DEC-2000; 2000WO-US032678.

21-DEC-2000; 2000WO-US032678.

22-MAR-2001; 2001WO-US006520.

22-MAR-2001; 2001WO-US006520.

22-MAR-2001; 2001WO-US006520.

22-MAR-2001; 2001WO-US0096520.

23-MAY-2001; 2001WO-US016920.

25-MAY-2001; 2001WO-US017092.

10-MAY-2001; 2001WO-US017092.

10-MAY-2001; 2001WO-US017092.

11-JUN-2001; 2001WO-US017092.

25-MAY-2001; 2001WO-US017092.

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27-MAY-2001; 2001WO-US017092.

28-JUN-2001; 2001WO-US017092.
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97US-0064249P.
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2001WO-US021066.
2001WO-US021735.
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Best Local Similarity 100.
Matches 111; Conservative
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2000WO-US015264.
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2000WS-00709238.
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   vulnerary; virucide; neuroprotective; cytostatic; gene therapy; tumour cell proliferation inhibitor; secereted and transmembrane protein; PRO; viral infection; wound healing; tissue growth; muscle generation; muscle regeneration; amyotrophic lateral sclerosis; neuropathy; AIDS-associated neuropathy; diabetic peripheral neuropathy; chromosome identification; antagonist; tissue typing; immunohistochemical staining.
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24-AUG-2000; 2000WO-USO23328.
08-NOV-2000; 2000US-00709238.
27-NOV-2000; 2000US-00709238.
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22-MAR-2001; 2001WS-00816744.
22-MAR-2001; 2001WS-00816744.
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Best Local Similarity 100.
Matches 111; Conservative
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Human; secreted protein; transmembrane protein; FRO; cytostatic;
pothbalmological; antiarthritic; osteopathic; antirheumatic; vulnerary;
auditory; tumour growth; retinal disorder; sports-related joint problem;
artitular cartilage defects; osteoarthritis; rheumatoid arthritis;
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    The invention describes an isolated secereted and transmembrane PRO

polypeptide (I). PRO polypeptide such as PRO213, PRO700, PRO320 or PRO615

is useful in biotechnological and medical research, as well as in various
industrial applications. PRO polypeptide such as PRO300, PRO366, PRO703,

PRO708, PRO320, PRO351, PRO352, PRO381, PRO615, PRO616, PRO703,

PRO708, PRO361, PRO351, PRO352, PRO381, PRO615, PRO616, PRO703,

CC PRO606 or PRO646 is useful for therapeutic purposes. PRO366, PRO863,

CC CHARAPORTICAL IN THE FROM THE Effects of viral infection.

PRO200 is useful for the treatment of wound healing, tissue growth and

amyotrophic lateral sclerosis, neuropathy, AIDS-associated neuropathy or

CC Muscle generation and regeneration. PRO371 is useful for treating

amyotrophic lateral sclerosis, neuropathy, AIDS-associated neuropathy or

CC Muscle Conference of the Conference of the Conference

CC Galerosis of Conference of Section of Section and Section

CC Useful in the development and screening of therapeutically useful

CC Useful in the development and screening of therapeutically useful

CC CONTRACTOR OF SECTION O
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                                                                                                                                                                                                     KP, Botstein D, Desnoyers L, Eaton DL; E E, Fong S, Gao W, Gerber H, Gerritsen ME; PJ, Grimaldi JC, Gurney AL, Hillan KJ; Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL; Williams PM, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                               Novel secreted and transmembrane polypeptides and polynucleotides encoding them, useful for treating wound healing, tissue growth and muscle generation and regeneration, amyotrophic lateral sclerosis or neuropathy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 12; SEQ ID NO 370; 472pp; English.
               05-JUN-2001; 2001US-00814503.
14-JUN-2001; 2001US-0088236.
19-JUN-2001; 2001WG-U0886342.
29-JUN-2001; 2001WG-US019692.
29-JUN-2001; 2001WG-US021066.
09-JUL-2001; 2001WG-US021066.
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N, Filvaroff E, F
1, Godowski PJ, G
J, Kuo s
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Tumas D,
                                                                                                                                                                    (GETH ) GENENTECH INC.
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hes 111; Conserv
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01-JUN-2001; 2
05-JUN-2001; 2
14-JUN-2001; 2
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Goddard A, G
Kljavin IJ,
Stewart TA,
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9705-0064249P

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24-OCT-2001; 2001US-00999834
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28-APR-1998;
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61

Matches

g 8 ADC68966 standard; protein; 111 AA

RESULT 23 ADC68966 ID ADC68

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29-APR-1998, 20-APR-1998, 22-APR-1998, 22-APR-1999, 20-APR-1999, 22-APR-1999, 22-AP
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14-MAY-1999;
02-JUN-1999;
16-JUN-1999;
23-JUN-1999;
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2000WO-US005841.
2000WO-US005319.
2000WO-US007532.
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2000WO-US015264.
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2000W0-US032678.
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2001WO-US034956
2001WS-00816740
2001US-00816740
2001US-00816720
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Best Local Similarity 100.0%;
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20-DEC-2000;
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22-MAR-2001;
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10-MAY-2001;
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14-UW-2001;
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      26-JUL-1999;
28-JUL-1999;
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ADC63026 standard; protein; 111

ADC63026

RESULT 24
ADC63026
ID ADC63
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AC ADC63

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98US-0083545P

98US-0083554P

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99WO-US028551.
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2000WO-US003565.
2000WO-US004341.
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06-JAN-2000;
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11-FEB-2000;
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20-NOV-1998;
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28-MAY-1998;
26-JUN-1998;
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 Human; secreted protein; transmembrane protein; PRO; cytostatic; ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary; auditory; tumour growth; retinal disorder; sports-related joint problem; articular cartilage defects; osteoarthritis; rheumatoid arthritis; wound healing; hearing loss.
                         Human secreted/transmembrane protein, PRO273
                                                                                                                                                                                                                            97US-0064249P
97US-0064341P
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18-DEC-2003 (first entry)
                                                                                                                                                   US2003068648-A1.
                                                                                                                            Homo sapiens.
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10 - MAR - 1998

11 - MAR - 1998

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13 - MAR - 1998

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13-NOV-1997
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Ferrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
Goddard A, Godwski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
Stewart TA, Tumas D, Williams PM, Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                 New isolated secreted and transmembrane PRO polypeptides, useful in the preparation of a medicament for treating a condition responsive to the polypeptide, and as therapeutic agents e.g. vaccines.
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                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 12; SEQ ID NO 370; 467pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC68091 standard; protein; 111 AA
       30-MAY-2000; 200MC-05014941.
02-JUN-2000; 2000MC-05014941.
02-JUN-2000; 2000MC-05015264.
24-AUG-2000; 2000MC-0503328.
01-DEC-2000; 2000MC-0503328.
01-DEC-2000; 2000MC-05033678.
22-MAR-2001; 2001MC-05009552.
23-MAY-2001; 2001MC-05017092.
01-JUN-2001; 2001MC-05017800.
20-JUN-2001; 2001MC-05017800.
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                                                                                                                                                                                                                  (GETH ) GENENTECH INC.
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Human; secreted protein; transmembrane protein; PRO; cytostatic; ophthalmological; antiarthritic; osteopathic; antirheumatic; vulnerary; auditory; tumour growth; retinal disorder; sports-related joint problem; articular cartilage defects; osteoarthritis; rheumatoid arthritis; wound healing; hearing loss.
                                                                                                                                                                                                 970S-0064249P.
970S-00642449P.
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                                                                                         Homo sapiens.
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20-MAR-1998;
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12-MAR-1998
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98US-011362P

98US-013022P

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99US-014569B-
99US-016222P-
99WO-US028813-
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21-MAR-2000;
30-MAR-2000;
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26-APR-1999;
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14-MAY-1999;
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The invention relates to an isolated PRO polypeptide (secreted or transmembrane protein) having at least 80% amino acid sequences as given to an amino acid sequence chosen from 94 fully defined sequences as given in the specification (including PRO lacking its associated signal peptide, a PRO extracellular domain with or without its associated signal peptide). Also included are nucleic acids encoding the PRO proteins mentioned above, a vector comprising a PRO nucleic acid), a host cell comprising the vector and producing PRO, a chimaeric molecule comprising PRO fused to a heterologous amino acid sequence, and an anti-PRO antibody. PRO337 polypeptide is useful for detecting a PRO4933 polypeptide is useful for detecting PRO493 polypeptide. Similarly, PRO4933 polypeptide is useful for detecting PRO357 polypeptide.
                                                                                                                                                                                                                                                                                                                  Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
Perrara N, Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME;
Goddard A, Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ;
Kljavin IJ, Kuo SS, Napier MA, Pan J, Paoni NF, Roy MA, Shelton DL;
Stewart TA, Tumas D, Williams PM, Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MSILIPRRAPPVSMRLLAAALILILILIALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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                                             2000WO-US015264.
2000WO-US020710.
2000WO-US032378.
2000WO-US034956.
2010WO-US06520.
2010WO-US017800.
2001WO-US017800.
2001WO-US017800.
2001WO-US01735.
               2000WO-US014042.
2000WO-US014941.
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Matches 111; Conservative
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N-PSDB; ADC68090.
                                             02-JUN-2000; 28-JUN-2000; 24-MU-2000; 20-DEC-2000; 20-DEC-2000; 28-FEB-2001; 22-MAR-2001; 2
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01-JUN-2001;
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29-JUN-2001;
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               22-MAY-2000;
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Search completed: June 30, 2005, 07:50:14 Job time : 170 secs

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Sequence 34, Appli
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Sequence 417, App
Sequence 417, App
Sequence 418, App
Sequence 72, Appl
Sequence 72, Appl
Sequence 346, Appl
Sequence 346, Appl
Sequence 157, App
Sequence 157, Appl
Sequence 2, Appli
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                                                                  June 30, 2005, 07:46:48; Search time 22 Seconds (without alignments) 376.638 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Description
                                                                                                                                        1 MSLLPRRAPPVSMRLLAAAL.....TKRFIKWYNAWNEKRRVYEE
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Copyright (c) 1993 - 2005 Compugen Ltd
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US-09-238 184-2

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US-09-238-184-3

US-09-188-930-344

US-09-188-930-346

US-09-312-283C-394

US-09-312-283C-340

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US-09-312-283C-157

US-09-312-283C-157

US-09-312-283C-157

US-09-312-283C-157

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Maximum Match 100%
Listing first 100 summaries
                                             - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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Sequence 2, Application US/08825556A;
Sequence 2, Application US/08825556A;
Patent No. 5910431
GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Su, Jeffrey Y.
APPLICANT: Li, Hacdong
TITLE OF INVENTION: Chemokine Alpha 2
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Mashington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99.1%; Score 582; DB 2; Length 111; 99.1%; Pred. No. 1.8e-63; ive 0; Mismatches 1; Indels
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ZIP: 20005-2934

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MAD-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/825,556A
FILING DATE: 19-MAR-1997
CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US/08/825,556A
FILING APPLICATION NUMBER: US/08/825,556A
FILING APPLICATION NUMBER: US/08/825,556A
FILING APPLICATION NUMBER: US/08/825,556A
FILING APPLICATION NUMBER: US/08/825,638
FILING APPLICATION NUMBER: US/08/825,638
FILING CATION NUMBER: 36,688
FREERENCE/DOCKET NUMBER: 1488.0850001
TELEPHONICATION INFORMATION:
TELEPHONICATION INFORMATION:
TELEPHONICATION INFORMATION:
TELEPHONICATION UNDER: 202-371-2600
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 111 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
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Best Local Similarity 99.1
Matches 110; Conservative
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APPLICANT: Ni, Jian
APPLICANT: Gentz, Reiner L.
APPLICANT: Su, Jeffrey Y.
APPLICANT: Li, Haodong
TITLE OF INVENTION: Chemokine Alpha 2

US-09-238-184-2; Sequence 2, Application US/09238184; Patent No. 6479633; GENERAL INFORMATION: APPLICANT: Ni, Jian

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1 MSLLPRRAPPVSMRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKY
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Sequence 3, Application US/0882556A

Patent No. 5910431

GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Gentz, Reiner L.
APPLICANT: Gentz, Reiner L.
APPLICANT: Li, Haodong
TITLE OF INVENTION: Chemokine Alpha 2
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
CITY: Washington
CONTY: APPLICANT: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99.1%; Score 582; DB 4; Length 111; 99.1%; Pred. No. 1.8e-63; ive 0; Mismatches 1; Indels
                  CORRESPONDENCE ADDRESS:
ADDRESSER: Sterne, Kessler, Goldstein & Pox, P.L.L.C. STRET: 1100 New York Ave., Suite 600 CITY: Washington
                                                                                                                                                                                                                                                                COMPUTER: IN P. Compatible
COMPUTER: Date P. Compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/238,184
FILING DATE: US/08/825,556
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: US 60/013,653
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: US 60/013,653
FILING DATE: 19-MAR-1996
ATTONENY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,288
REGISTRATION NUMBER: 1488.0850011
TELECOMMUNICATION INFORMATION:
TELEFONE: 202-371-2500
TELEFRAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 20005-2934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATION: PARTER: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
                                                                                                                       STATE: DC
COUNTY: USA
ZIP: 20005-234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : 111 amino acids
amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 99.1
Matches 110; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: protein
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
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TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
                                                                               TYPE: amino acid
TOPOLOGY: linear
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US-09-188-930-344
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US-09-188-930-344
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US-09-724-864-68
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APPLICANT: Ni, Jian
APPLICANT: Ni, Jian
APPLICANT: Su, Jeffrey Y.
APPLICANT: Li, Haodong
TITLE OF INVENTION: Chemokine Alpha 2
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 99;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRFYEE 99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/238,184
                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 522; DB 2;
Pred. No. 3.4e-56;
0; Mismatches 1;
              APPLICATION NUMBER: US/08/825,556A FILING DATE: 19-MAR-1997 CLASSIFICATION: 435 PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US 60/013,653 ATTORNEY AGENT INFORMATION: NAME: Steffe, Bric K. REGISTRATION NUMBER: 36,688 REFERENCE/DOCKET NUMBER: 1488.0850001 TELECOMUNICATION INFORMATION: TELECOMUNICATION INFORMATION: TELECOMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
AND APPLICATION NUMBER: US/08/825,556
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: US 60/013,653
FILING DATE: 19-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 3, Application US/09238184; Patent No. 6479633; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 36,688
REPERENCE/DOCKET NUMBER: 14
FELECOMMUNICATION INFORMATION:
TELECHOME: 202-371-2600
                                                                                                                                                                                                                                                        TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 99 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                              88.9%;
99.0%;
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 88.9
Best Local Similarity 99.0
Matches 98; Conservative
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                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                              amino acid
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ZIP: 20005-2934
                                                                                                                                                                                                                                                                                                                                                                                                       US-08-825-556A-3
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17 AAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITTKSVS 76
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                                                                                                                                                                                                                                                                       1 MRILABABILILILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
                                                                                                                                                                                                                                   13 MRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
                                                                                                                                                                      Gaps
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Patent No. 6380362

Batent No. 6380362

Batent No. 6380362

BAPLICANT: MARSON, James D

APPLICANT: MARSON, James G

TITLE OF INVENTION: Polymuclectides polypeptides expressed

TITLE OF INVENTION: Dy the polymuclectides and methods for their use.

FILE REFERENCE: 11000.1050/UN CURRENT APPLICATION NUMBER: US/09/724,864

CURRENT APPLICATION NUMBER: US. No. 6380362 60/171,678

PRIOR APPLICATION NUMBER: U.S. No. 6380362 60/171,678

WUMBER OF SEQ ID NOS: 72
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 344, Application US/09188930A
; Sequence 344, Application US/09188930A
; Batent No. 6150502
; GENERAL INPORMATION:
    APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
    APPLICANT: Strachan, Matthew
    APPLICANT: Strachan, James Greg
    TITLE OF INVENTION: Compositions Isolated From Skin Cells
    TITLE OF INVENTION: Compositions For Their Use
; TITLE OF INVENTION: L0100.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SEQ ID NOS: 348
; SEQ ID NO 344
                                                                                                Query Match 88.9%; Score 522; DB 4; Length 99; Best Local Similarity 99.0%; Pred. No. 3.4e-56; Matches 98; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      86.7%; Score 509; DB 3; Length 95; 100.0%; Pred. No. 1.3e-54; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                              73 KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                               61 KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRFYEE 99
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Best Local Similarity 100.0
Matches 95; Conservative
, MOLECULE TYPE: protein US-09-238-184-3
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Query Match
Best Local Similarity
Matches 94; Conserv
                                                                              ) ORGANISM: Mouse US-09-188-930-340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ORGANISM: Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-312-283C-340
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US-09-312-283C-394
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                                                                                                                                                                                                                                       17 AAALLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWVIITTKSVS 76
                                                                                                                                                                                                                                                           17 AAALLLLLLLLLLTATYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITTKSVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                            Gaps
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| Sequence 344, Application US/09312283C
| Patent No. 6573095
| GENERAL INFORMATION:
| APPLICANT: Watson, James D.
| APPLICANT: Steaman, Matthew
| APPLICANT: Sleeman, Matthew
| APPLICANT: Murison, James G.
| TITLE OF INVENTION: Compositions Isolated from Skin Cells
| TITLE OF INVENTION: and Methods for Their Use
| FILE REFERENCE: 11000.1011c2
| CURRENT APPLICATION NUMBER: US/09/312,283C
| CURRENT FILING DATE: 1999-05-14
| NUMBER OF SEQ ID NOS: 425
| SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86.7%; Score 509; DB 4; Length 95; 100.0%; Pred. No. 1.3e-54; ive 0; Mismatches 0; Indels
                                                                                                                                                 DB 3; Length 95;
                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Waterson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Steeman, Matthew
APPLICANT: Orlust, Rene
APPLICANT: Orlust, Rene
APPLICANT: Marison, James Greg
TITLE OF INVENTION: Compositions Isolated From Skin Cells
TITLE OF INVENTION: and Methods For Their Use
FILE REFERENCE: 11000.1011c1
CURRENT APPLICATION NUMBER: US/09/188,930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
                                                                                                                                                 Query Match 86.7%; Score 509; DB 3; I
Best Local Similarity 100.0%; Pred. No. 1.3e-54;
Matches 95; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                          77 RYRGOEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RYRGOEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                     RYRGOEHCLHPKLOSTKRFIKWYNAWNEKRRVYEE 95
FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  95; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 95; Conserv
                                                                                   ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 7
US-09-312-283C-344
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                                                                                                         US-09-724-864-68
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LENGTH: 95
                 SEQ ID NO 68
LENGTH: 95
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  SOFTWARE:
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                                                                                                                                                                                                                                                0; Gaps
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| FALENT NO. 92.3043
| APPLICANT: Watson, James D.
| APPLICANT: Strachan, Lorna
| APPLICANT: Strachan, Matthew
| APPLICANT: Onrust, Rene
| APPLICANT: Murison, James G.
| APPLICANT: Kumble, Krishanand D.
| TITLE OF INVENTION: Compositions Isolated from Skin Cells
| TITLE OF INVENTION: Compositions of Files Reference: 11000.1011c2
| CURRENT APPLICATION NUMBER: US/09/312,283C
| CURRENT FILING DATE: 1999-05-14
| NUMBER OF SEQ ID NOS: 425
| SEQ ID NOS: 425
| SEQ ID NOS: 425
| FEMALES: FASISED for Windows Version 4.0
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Patent No. 6573095

GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Sleeman, Matthew
APPLICANT: CALCANT: Renean, Matthew
APPLICANT: Murison, James G.
APPLICANT: Kumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
                                                                                                                                                                                     Score 506; DB 3; Length 99;
Pred. No. 3.1e-54;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ch 86.2%; Score 506; DB 4; Length 99; 1 Similarity 94.9%; Pred. No. 3.1e-54; 94; Conservative 3; Mismatches 2; Indels
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CURRENT FILING DATE: 1999-05-14
SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 340 LENGTH: 99 TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-312-283C-340
; Sequence 340, Application US/09312283C
; Patent No. 6573095
                                                                                                                                                                                           Query Match
Best Local Similarity 94.9%;
Matches 94; Conservative
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TYPE: PRT

CRGANISM: Human
US-09-312-283C-418
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US-09-188-930-346
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US-09-188-930-346
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US-09-724-864-72
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                                                                                                                                                                                                                                                      13 MRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Strachan, Lorna
APPLICANT: Strachan, Lorna
APPLICANT: Steaman, Matthew
APPLICANT: Sleeman, Matthew
APPLICANT: Murison, James G.
APPLICANT: Murison, James G.
APPLICANT: Mumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FastSEQ for Windows Version 4.0
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Patent No. 6573095

GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
APPLICANT: Murison, James G.
APPLICANT: Cumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
                                                                                                                                                                      Length 99;
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94.9%; Pred. No. 3.1e-54;
tive 3; Mismatches 2; Indels
                                                                                                                                                                                                                2; Indels
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Pred: No. 3.1e-54;
3; Mismatches 2.
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FREUSEQ for Windows Version 4.0
SEQ ID NO 394
LENGTH: 99
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Patent No. 6573095
                                                                                                                                                                      86.2%;
                                                                                                                                                                  Query Match 86.2
Best Local Similarity 94.9
Matches 94; Conservative
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Matches 94; Conserva
                                                                                  ; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-394
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ORGANISM: Mouse
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US-09-312-283C-418
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LENGTH: 99
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1 MRLPAAALLLILLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVII-T 59
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APPLICANT: Watson, James D

APPLICANT: Watson, James G

APPLICANT: Withison, James G.

TITLE OF INVENTION: Polymucleotides and methods for their use.

TITLE OF INVENTION: by the polymucleotides and methods for their use.

TITLE OF INVENTION: UNMARR: 1000/105011

CURRENT FILING DATE: 2000-11-28

FRIOR PAPLICATION NUMBER: U.S. No. 6380362 60/171,678

PRIOR FILING DATE: 1999-12-23

NUMBER OF SEQ ID NOS: 72
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                                                                                                                                                                                                                                                                     Length 98;
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APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
APPLICANT: Onrust, Rene
TITLE OF INVENTION: Compositions Isolated From Skin Cells
TITLE OF INVENTION: and Methods For Their Use
FILE REFERENCE: 11000.1011c1
CURRENT APPLICATION NUMBER: US/09/188,930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 346
LENGTH: 77
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                                                                                                                                                                                                                                                                  Query Match 85.9%; Score 504.5; DB 4; Best Local Similarity 98.0%; Pred. No. 4.6e-54; Matches 97; Conservative 0; Mismatches 1;
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Best Local Similarity 100.0%; Pred. No. 7.8e-45;
Matches 77; Conservative 0; Mismatches 0;
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 418
LENGTH: 98
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Patent No. 6150502
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) ORGANISM: Mouse
US-09-724-864-70
                                                                                 ; ORGANISM: Mouse US-09-188-930-345
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| Patent No. 6573095 |
| GENERAL INFORMATION: |
| APPLICANT: Watson, James D. |
| APPLICANT: Strachan, Lorna |
| APPLICANT: Sleeman, Matthew |
| APPLICANT: Onrust, Rene |
| APPLICANT: Murison, James G. |
| APPLICANT: Kumble, Krishanand D. |
| TITLE OF INVENTION: Compositions Isolated from Skin Cells |
| TITLE OF INVENTION: and Methods for Their Use |
| FILE REFERENCE: 11000.1011c2 |
| CURRENT APPLICATION NUMBER: US/09/312,283C |
| CURRENT FILING DATE: 1999-05-14 |
| NUMBER OF SEQ ID MOSS 425 |
| SOFTWARE: FastSEQ for Windows Version 4.0
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| Sequence 345, Application US/09188930A
| Patent No. 6150502
| GENERAL INFORMATION:
| APPLICANT: Wateson, James D.
| APPLICANT: Streachan, Lorna
| APPLICANT: Steeman, Matthew
| APPLICANT: Asleeman, Matthew
| APPLICANT: Murison, James Greg
| TITLE OF INVENTION: Compositions Isolated From Skin Cells
| TITLE OF INVENTION: and Methods For Their Use
| FILE REFERENCE: 11000.1011c1
| CURRENT APPLICATION UNMBER: US/09/188,930A
| CURRENT FILING DATE: 1998-11-09
| NUMBER OF SEQ ID NOS: 348
                                                                                                                                             72.9%; Score 428; DB 3; Length 77; 100.0%; Pred. No. 7.8e-45; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        72.9%; Score 428; DB 4; Length 77; 100.0%; Pred. No. 7.8e-45; ive 0; Mismatches 0; Indels
FastSEQ for Windows Version 4.0
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                                                                                                                                             Query Match 72.9
Best Local Similarity 100.
Matches 77; Conservative
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Best Local Similarity
                                                            ; TYPE: PRT
; ORGANISM: Human
US-09-724-864-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT
; ORGANISM: Mouse
US-09-312-283C-346
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US-09-188-930-345
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                    SEQ ID NO 72
LENGTH: 77
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SOFTWARE:
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1 SKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIVTTKSMSRYRGQEHCLHPKLQSTKR 60
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                                                                                                                                                                                                                                                     0; Gaps
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APPLICANT: Watson, James G
APPLICANT: Watson, James G
TITLE OF INVENTION: Polynucleotides, polypeptides expressed
TITLE OF INVENTION: Polynucleotides and methods for their use.
FILE REFERENCE: 11000.1050U1
CURRENT APPLICATION NUMBER: US/09/724,864
CURRENT FILING DATE: 2000-11-28
PRIOR RAPLICATION NUMBER: U.S. No. 6380362 60/171,678
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 70
LENGTH: 77
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APPLICANT: Strachan, Lorna
APPLICANT: Strachan, Lorna
APPLICANT: Steaman, Matthew
APPLICANT: Onrues, Rane
APPLICANT: Murison, James G.
APPLICANT: Kumble, Krishanand D.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT PILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FASTSEQ for Windows Version 4.0
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Pred. No. 2.4e-44;
2; Mismatches 0; Indels
                                                                                                                                                                                              Length 77;
                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                           Score 424; DB 3; L. Pred. No. 2.4e-44; 2; Mismatches 0;
SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 345 LENGTH: 77 TYPE: PRT
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Patent No. 6573095
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 70, Application US/09724864
Patent No. 6380362
GENERAL INFORMATION:
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                                                                                                                                                                                              Query Match 72.2%;
Best Local Similarity 97.4%;
Matches 75; Conservative ;
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Best Local Similarity 97.4%;
Matches 75; Conservative
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Query Match 50.8%;
Best Local Similarity 63.7%;
Matches 65; Conservative
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        ; TYPE: PRT
; ORGANISM: mouse
US-09-188-930-157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Mouse
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-312-283C-157
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COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 22
US-08-825-556A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEO ID NO 157
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       37 CKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWVIITTKSVSRYRGQEHCLHPKLQSTKRFI 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 CKCSFKGPKIRYSDVKKLEMKPKYPHCEEKWVIITTKSVSRYRGQEHCLAPKLQSTKRFI 60
                                                                                                                                                                                                        35 SKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKR
                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 1571, Application US/09188930A
; Patent No. 6150502
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
; APPLICANT: Sleeman, Matthew
; APPLICANT: Murison, James Greg
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods For Their Use
; FILE REFERENCE: 11000.1011c1
; CURRENT APPLICATION NUMBER: US/09/188,930A
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 348
; SEQ ID NOS: 348
; SEQ ID NOS: 348
                                                                                                                         72.2%; Score 424; DB 4; Length 77; 97.4%; Pred. No. 2.4e-44; ive 2; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 75;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3, Application US/09177304A
Patent No. 6372456
GENERAL INFORMATION:
APPLICANT: Wel, Ying-Fei et al.
TITLE OF INVENTION: Chemokine Alpha-6
FILE REPERENCE: PP458
CURRENT APPLICATION NUMBER: US/09/177,304A
CURRENT FILING DATE: 1998-10-23
BARLIER PAPLICATION NUMBER: 60/063,387
BARLIER PILING DATE: 1999-10-24
BARLIER PILING DATE: 1999-10-24
BARLIER PILING DATE: 1999-10-24
SARLIER PILING DATE: 1999-10-24
                                                                                                                                                                                                                                                                                      95 FIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                             61 FIKWYNAWNEKRRVYEE 77
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KWYNAWNEKRRFYEE 75
                                                                                                                                          Best Local Similarity 97.4
Matches 75; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Homo sapiens
                                              TYPE: PRT
ORGANISM: Mouse
                                                                     ) US-09-312-283C-345
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US-09-188-930-157
SEQ ID NO 345
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13 MELLAAALLILILIALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
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                                                       Gaps
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; Patent No. 5910431
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
APPLICANT: Su, Jeffrey Y.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Chemokine Alpha 2
NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.
STREET: 1100 New York Ave., Suite 600
; CITY: Washington
Score 298; DB 3; Length 133;
Pred. No. 1.2e-28;
6; Mismatches 25; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Steam, Matthew
APPLICANT: Sleam, Matthew
APPLICANT: Murison, James G.
APPLICANT: Murison, James G.
APPLICANT: Murison, James G.
TITLE OF INVENTION: Compositions Isolated from Skin Cells
TITLE OF INVENTION: and Methods for Their Use
FILE REFERENCE: 11000.1011c2
CURRENT APPLICATION NUMBER: US/09/312,283C
CURRENT FILING DATE: 1999-05-14
NUMBER OF SEQ ID NOS: 425
SOFTWARE: FREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 50.8%; Score 298; DB 4; Length 133; Best Local Similarity 63.7%; Pred. No. 1.2e-28; Matches 65; Conservative 6; Mismatches 25; Indels
                                                                                                                                                                                                                            73 KSVSRYRGQE-----HCLHPKLQSTKRFIKWYNAWNEKRRV 108
                                                                                                                                                                                                                                                                                 61 KEHVQGTGARSTACTLSCRAPNASSSGTMPGTRSAGSTKNRV 102
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73 KSVSRYRGQE----HCLHPKLQSTKRFIKWYNAWNEKRRV 108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 KEHVQGTGARSTACTLSCRAPNASSSGTMPGTRSAGSTKNRV 102
                                                                                                                                                                                                                                                                                                                                                                   RESULT 21
1.09-312-283C-157
1. Sequence 157, Application US/09312283C
1. Patent No. 6573095.
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; TYPE: PRT
; ORGANISM: rat
US-08-679-493A-146
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 APP-TRRLLNAALLLLLLMATSHQPSGTVVARELRCQCLKTLPRVDFENIQSLTVTPPG 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31; Indels 13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 24.4%; Score 143.5; DB 2; Length 98; Best Local Similarity 35.1%; Pred. No. 6.6e-10; Matches 34; Conservative 19; Mismatches 31; Indels 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E: Sterne, Kessler, Goldstein & Fox, P.L.L.C. 1100 New York Ave., Suite 600
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/825,556A
FILING DATE: 19-MAR-1997
CLASSIFICATION 1435
PILOR APPLICATION 1435
PILING DATE: 19-MAR-1996
ATTONEY/AGENT INPORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,688
REGISTRATION NUMBER: 36,088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: USA
ZIP: 2005-2934
COMPUTER RADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/238,184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 PHCEEKMVIITTKSVSRYRGOEHCLHPKLOSTKRFIK 97
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US-09-238-184-4
Sequence 4, Application US/09238184
Septemence 4, Application US/09238184
Septemen
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APPLICATION NUMBER: US/08/825,556
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: US 60/013,653
FILING DATE: 19-MAR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SS: not relevant not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 98 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
STRANDEDNESS: not
TOPOLOGY: not rel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: 1100 New CITY: Washington STATE: DC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE
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8 APPVSMRLLAAALILLLLLALYTARVDGS------KCKCSRKGPKIRYSDVKKLEMKPKY 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8 APPVSMRLLAAALLLLLLLLALYTARVDGS-----KCKCSRKGPKIRYSDVKKLEMKPKY 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 APP-TRRILINAALILILILIMATSHQPSGTVVARELRCQCLKTLPRVDFENIQSLTVTPPG 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Sequence 146, Application US/08679493A

Patent No. 6303295

GENERAL INFORMATION:

APPLICANT: Taylor, Ethan W.

TITLE OF INVENTION: SELENOPROTEINS, CODING SEQUENCES AND METHODS

FILE REFERENCE: 55-95

CURRENT PILING DATE: 1996-07-12

PRIOR APPLICATION NUMBER: 60/001203

PRIOR PILING DATE: 1995-07-14

PRIOR PILING DATE: 1995-09-01

NUMBER OF SEQ ID NOS: 216

SOUTHWARE: PATENTING DATE: 1995-09-01

NUMBER OF SEQ ID NOS: 216

SEQ ID NO 146

LENGTH: 100
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US-084-476-376-2
US-084-476-376-2
Sequence 2, Application US/08476376
Patent No. 610324
INFORMATION:
APPLICANT: WOLPE, STEPHEN D.
APPLICANT: CERAMI, ANTHONY
APPLICANT: TEKAMP-OLSON, PATRICIA A.
TITLE OF INVENTION: MACROPHAGE-DERIVED INFLAMMATORY MEDIATOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 100;
                                                                                                                                                                                                                                                                                                                                                                                                                Length 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 24.4%; Score 143.5; DB 4; Best Local Similarity 35.1%; Pred. No. 6.6e-10; Matches 34; Conservative 19; Mismatches 31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 24.4%; Score 143.5; DB 3; Best Local Similarity 35.1%; Pred. No. 6.8e-10; Matches 34; Conservative 19; Mismatches 31;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PHCTQTEVIATLKD-----GQEVCLNPQAPRLQKIIQ 92
                                                                                                                                                                                                                                                                                                                                                                                                             DB 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60 PHCTQTEVIATLKD----GQEVCLNPQAPRLQKIIQ 91
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NAME: Steffe, Bric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1488.0850001
TELECOMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
                                                                                                                                                                                                                                           TYPE: amino acid
STRANDEDNESS: No. 6479633 Relevant
TOPOLOGY: No. 6479633 Relevant
MOLECULE TYPE: peptide
US-09-238-184-4
                                                                                                   TELEPHONE: 202-371-2600
TELEPAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 98 aming acids
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Query Match 23.5%; Score 138; DB 3; Length 100; Best Local Similarity 33.3%; Pred. No. 3.2e-09; Matches 32; Conservative 21; Mismatches 31; Indels 12; Gaps
TITLE OF INVENTION: (MIP-2)

CORRESPONDENCES ADDRESS:

ADDRESSEE: DAVID A. JACKSON, ESO.

STREET: FLOOM
CITY: NAW JERSEY
COUNTRY: U.S.A.

CONFUTER RAIDABLE FORM:

COMPUTER: IS PORT:

COMPUTER: THOOP disk
COMPUTER: THOOP disk
COMPUTER: THOOP GOMESTILD E-DOSY
OFFERTING TYPE: PORT:

APPLICATION NUMBER: US 08/285,498
FILING DATE: 07-307.

PILING DATE: 10-307.

APPLICATION NUMBER: US 08/105,105
FILING DATE: 10-307.

APPLICATION NUMBER: US 08/105,105
FILING DATE: 10-307.

APPLICATION NUMBER: US 07/399,971
FILING DATE: 10-307.

APPLICATION NUMBER: US 07/104,827
FILING DATE: 10-307.

APPLICATION NUMBER: US 07/104,827
FILING DATE: 10-307.

APPLICATION NUMBER: US 07/104,827
FILING DATE: 10-307.

APPLICATION NUMBER: US 06/351,290
FILING DATE: 10-307.

APPLICATION NUMBER: US 06/351,290
FILING DATE: 10-307.

APPLICATION NUMBER: US 06/351,290
FILING DATE: 10-407.

APPLICA
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MOLECULE TYPE: protein
HYPOTHETICAL: NO
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US-08-476-376-2
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2 APP-TCRLLSAALVLLLLLATNHQATGAVVASBLRCQCLKTLPRVDFKNIQSLSVTPPGP 60
                                      62 HCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
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			5-10-791-618-2 37 MSLLPRRAPPVSMRLLAAAL	ext 0.5	segs, 512079187 residues				t:* bl:*	results predi l to the score of the total	SUMMARIES	ID	Q6UW97	SZ14 HUMAN	09JHH7	SZ14 MOUSE 091V02	QGEXX6	Q70V42	Q6DUZ6 Q6PHD5	Q66L61 09DFG4	Q9DGL8	WIZB_RAT	Q9EP62 MIP2 MOUSE	Q6W5C0	GRO_CRIGR	Q6PUJ1 MI2A HUMAN	Q287 <u>2</u> 4 Q912K9	GRO SHEEP	MIP2_RAT	Q8HXZ4
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Copyright	in - protein search,		791-618 PRRAPPV	10.0 ,		satisfying			<pre>.Prot_03:* uniprot_sprot:* uniprot_trembl:</pre>	numb n or ana		Length	111	166	0 60	99	7.6	9 6	150	160	86	100	101	100	101	107	108	101	100	107
			US-10-791- 587 1 MSLLPRR	BLOSUM62 Gapop 10.0	1612378	number of hits sa		Minimum Maximum Listing	UniProt 1: unip 2: unip	is itej		ery	100.0	1 O 1	86.2	83.3 83.1	73.9	0.09	57.7	57.4	54.9	24.4	24.4	23.0	22.3	22.2	21.9 21.8	21.7	21.1	20.7
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EMBL; AY358906; AAQ89265.1; -. GO, GO:0005576; C:extracellular; IEA. GO, GO:0005576; E:chemokine activity; IEA. GO; GO:0006955; P:chemokine activity; IEA.
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J. Immunol. 165:2588-2595 (2000).
                                                                                                                                                                                                                                                                                                                                             Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Cao X., Zhang W., Wan T., He L., Chen T., Yuan Z., Ma S., Yu Y.,
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SEOUENCE 111 AA; 13077 MW; C9A18B2A78CACF74 CRC64;
                                                                                                                                                   Created)
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Matches 111; Conservative
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Name=MIP-2 gamma;
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MEDLIFESPALGO416; PubMed=10049774; DOI=10.1006/bbrc.1999.0257;
Hromas R., Broxmeyer H.E., Kim C., Nakshatri H., Christopherson K. II,
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MEDLINR=22380257; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
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Brownstein M.J., Peters M. J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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905715; 086169; 089TR1;
30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
65-JUL-2004 (Rel. 44, Last annotation update)
85-MIL-2004 (Rel. 44, Last annotation BAAK)
85-MIL-2004 (Rel. 44, Last annotation BAAK)
Name-CXCL14; Synonyms=NJAC, SCYB14;
Homo sapiens (Human).
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Frederick M.F., Henderson Y., Xu X., Bl-Naggar A.K., Wu H.,
Hudson J.M., Clayman G.L.;
"Identification of a novel chemokine family member with altered
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                                                                                                                                                                                                                                                                                                                                                           Length 111;
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                                                                                                                                                                                                                                                                                  111 AA; 13126 MW; C9A18B3178CACF74 CRC64;
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                                                                                                                                                                                                                                                                                                                                                               99.1%; Score 582; DB 2; 99.1%; Pred. No. 1.8e-54;
                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                             IEA.
EMBL; AF106911; AAF78449.1; -.
PIR; JG0182; JG0182.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0008009; F:chemokine activity; II
GO; GO:0006955; P:immune response; IEA.
InterPro; IPR001811; Chemokine_IEA.
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Matches 110; Conservative
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09JHH7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the BWBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@ibs.sib.ch).
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Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakeeley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
"Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MRLLAAALLILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
                                                                                                                                                                                        Proc. Natl. Acad. Sci. US.A. 99:16899-16903(2002).
-!- FUNCTION: Not chemotactive for T-cells, B-cells, monocytes, natural killer cells or ghranulocytes. Does not inhibit proliferation of myeloid progenitors in colony formation assays.
-!- SUBCELDULAR LOCATION: Secreted.
-!- TISSUE SPECIFICITY: Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highly expressed in normal tissue without inflammatory stimuli and infrequently expressed in cancer cell lines.
-!- SIMILARITY: Belongs to the intercrine alpha (chemokine CxC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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998802D8FC659C1D CRC64;
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Last annotation update)
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PROSITE; PS00471; SMALL_CYTOKINES_CXC; FALSE_NEG.
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Pred. No. 1.3e-48;
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100.0%; Pred. No. ...
0; Mismatches
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EMBL; BT007080; AAB35743.1; ALT_INIT.
EMBL; BC003513; AAH03513.1; ALT_INIT.
Genew; HGNC:10640; CXCL14.
H-InvDB; HIX0005195; -.
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InterPro, IPR001089; CXC_chmkine_sr
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51
72
11772 MW;
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(TrEMBLrel. 22, I
(TrEMBLrel. 24, I
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Q8K453;
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01-OCT-2002 (
01-JUN-2003 (
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Q8K453
ID Q8K4
AC Q8K4
DT 01-O
DT 01-O
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7. 01-0CT-2000 (TrEMBLrel. 15, Created)
7. 01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
7. 01-0CT-2004 (TrEMBLrel. 18, Last annotation update)
7. 01-0CT-2004 (TrEMBLrel. 18, Last annotation update)
8. cell and mononcyte-activating chemokine precursor (Mus musculus brain cDNA, clone MNCb-6413, similar to Mus musculus kidney-expressed chemokine CXC (Kec) mRNA) (Mus musculus kidney-expressed chemokine CXC (Kec) mRNA) (Mus musculus subdamily B (Cys-X-Cys), member 14, full insert sequence)
8. full-length enriched library, clone:1200006123 product:small inducible cytokine subfamily B (Cys-X-Cys), member 14, full insert sequence)
8. full small inducible cytokine subfamily B (Cys-X-Cys), member 14, full insert sequence) (Mus musculus 10, 11 and 20 content and 11 inducible cytokine subfamily B (Cys-X-Cys), member 14, full insert sequence)
8. Cys), member 14, full insert sequence)
8. Name=Cxc114; Synonyms=Bmac;
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                             Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Rattus.
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MEDLINE=20247020; PubMed=10784614;
Sleeman M.A., Fraser J.K., Murison J.G., Kelly S.L., Prestidge R.L.,
Palmer D.J., Watson J.D., Kumble K.D.;
"B cell- and monocyte-activating chemokine (BMAC), a novel non-ELR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                                                                                                                           Han G.D., Koke H., Shimizu F., Kawachi H.;
Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
BMBL, AF488148; AAM74057.1;
GO; GO:000576; C:extracellular; IEA.
GO; GO:0005095; P:chemokine activity; IEA.
GO; GO:000595; P:immune response; IEA.
InterPro; IPR002473; C-X-C/Interlkn 8.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   86.4%; Score 507; DB 2;
96.0%; Pred. No. 1.8e-46;
tive 2; Mismatches 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRINTS; PRO0436; INTERLEUKINB. SEQUENCE 99 AA: 11730 MW.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
norvegicus (Rat).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pfam; PF00048; IL8; 1.
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                                                                                                      NCBI_TaxID=10116;
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

A Arakawa K., Akahira S., Akimura T., Arai A., Aono H.,
A Arakawa T., Bono H., Carninci B., Fukuda S., Fukunishi Y., Furuno M.,
A Hanagaki T., Hara A., Hayatsu N., Hiramcto K., Hiracka T., Hori F.,
Imotani K., Ishii Y., Itoh M., Izawa M., Kosukawa T., Kato H.,
A Kawai J., Kojima Y., Konno H., Kouda M., Koya S., Kurihara C.,
A Matsuyama T., Miyazaki A., Nishi K., Nomura K., Numazaki R., Ohno M.,
Okazaki Y., Okido T., Owa C., Saito R., Sakai C., Sakai K.,
A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T.,
A Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T.,
Tejima Y., Toya T., Yamamura T., Yasunishi A., Yoshida K., Yoshino M.,
Muramatsu M., Hayashizaki Y.;
Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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SEQUENCE FROM N.A.

A Arakawa T., Acarainci P., Fukuda S., Fukunishi Y., Furuno M., Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M., A Arakawa T., Bono H., Carninci P., Fukuda S., Fukunishi Y., Furuno M., Hanagaki T., Hara A., Hayatsu N., Hiramcto K., Hiracka T., Hori F., Imanagaki T., Hori F., Imanagaki T., Ishii Y., Itoh M., Izawa M., Koya S., Kurihara C., Kawai J., Kojima Y., Konno H., Koyda M., Koya S., Kurihara C., A Kawai J., Nokido T., Owa C., Saito P., Shinagawa R., Sakai K., A Sano H., Sasaki D., Shibata K., Shibata Y., Shinagawa A., Shiraki T., Sogabe Y., Suzuki H., Tagami M., Tagawa A., Takahashi F., Tanaka T., A Sogabe Y., Yoshino M., Muramatsu M., Hayashizaki Y., A Yoshida K., Yoshino M., Muramatsu M., Hayashizaki Y., Subnitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                  the RIKEN Genome Exploration Research Group Phase I & II Team; "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs."; Nature 420:563-573 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
STRAND=C57BL/6J; TISSUE=Head, Lung, and Whole body;
STRAND=C57BL/6J; TISSUE=Head, Lung, bol=10.1101/gr.145100;
MEDLINE=20.99374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
Normalization and subbraction of cap-trapper-selected cDNAs to prepare full-length cDNA ibraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
MEDLINE=99279253; Pubmed=10349636; DOI=L0.1016/S0076-6879(99)03004-9;
Carninci P., Hayashizaki Y.;
"High-efficiency full-length cDNA cloning.";
Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRAIN-C57BL/61; TISSUE-Head, Lung, and Whole body;
MEDLINE-20530913; PubMed=11076861; DOI=10.1101/gr.155600;
Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
Konno H., Akiyama J., Nishi K., Kitsunai T., Tashiro H., Itoh M.,
Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
Yamamoto R., Matsunoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
Fujiwake S., Inoue K., Togawa W., Chara E., Watshik M.,
Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
Sequencing pipeline with 384 multicapillary sequencer.";
                                                                                                                                                                                                                                                       "Functional annotation of a full-length mouse cDNA collection.";
Nature 409:685-690(2001).
                                                                                                                                                               SEQUENCE FROM N.A.
STRAIN-C57BL/6J; IISSUE-Head, Lung, and Whole body;
MEDLINE-21085660; PubMed=11217851; DOI=10.1038/35055500;
RIKEN FANTOM COMSOLTIUM:
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
STRAIN=C57BL/6J; TISSUE=Head, Lung, and Whole body;
The FANTOM Consortium,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Genome Res. 10:1757-1771 (2000)
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"Identification of a kidney-expressed chemokine (KEC), a member of the
"ICXC family, that is selectively elevated in aprt knockout mice.";
Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
-:- SUBCELLULAR LOCATION: Secreted (Potential).
-:- SIMILARITY: Belongs to the intercrine alpha (chemokine CxC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             II,
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MEDLINE=99160416; PubMed=10049774; DOI=10.1006/bbrc.1999.0257;
MEDLINE=99160416; PubMed=10049774; DOI=10.1006/bbrc.1999.0257;
MEDLINE=99160416; PubMed=10.8.7 Kim C., Nakshatri H., Christopherson K. Azam M., Hou Y.-H.;
Azam M., Hou Y.-H.;
"Cloning of BRAK, a novel divergent CXC chemokine preferentially
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Cloning of BRAK, a novel divergent CXC chemokine preferentially expressed in normal versus malignant cells."; Biochem. Biophys. Res. Commun. 255:703-706(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Small inducible cytokine B14 precursor (CXCL14) (Chemokine BRAK) (Kidney-expressed chemokine CXC).
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0
                                                                                                                                                                                                                                                                                                                                                                                                                               B cell and mononcyte-activating chemokine.
97352E91FF7F46D6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'Match 86.2%; Score 506; DB 2; Length 99 Local Similarity 94.9%; Pred. No. 2.3e-46; Local Similarity 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EMBL, AF144754, AAF66694.1; -.
EMBL, AB041614; BAA95097.1; -.
EMBL, AK04615; BAB22411.1; -.
EMBL, AK076112; BAB2292.1; -.
EMBL, AK076112; BAC36192.1; -.
MGD, MG1.1888514; CK5114.
GO, GO:0005615; C:extracellular space; TAS.
InterPro; IPR002473; C-X-C/InterIkn.8.
InterPro; IPR001811; Chemokine_IL8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-MAY-2000 (Rel. 39, Created)
30-MAY-2000 (Rel. 39, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99 AA
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                                                                                                                                                                                                                                                                                                                                  PRINTS; PR00436; INTERLEUKINB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99 AA; 11716 MW;
                                                                                                                                                                                                                                                                                                                                                                                              23
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                                                                                                                                                                                                                                                                                                    Pfam; PF00048; IL8;
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1 DGSKCKCKCRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITTRSMSRYRGQEHCLHPKLQST
                                                                                                                                                                                                                                        Ledger T.N., Pinton P., Bourges D., Roumi P., Salmon H., Oswald I.P., "Development of a macroarray to specifically analyze immunological gene expression in Swine.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        33 DGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITTKSVSRYRGQEHCLHPKLQST
                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Cetartiodactyla, Suina, Suidae, Sus.
NCBI_TaxID=9823;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             79 AA; 9651 MW; D1146B8D45F04354 CRC64;
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Chemokine (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 434; DB 2;
Pred. No. 9.3e-39;
2; Mismatches 0;
                                                                                                                                                                                                                                                                                                       Kenopus laevis (African clawed frog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93 KRFIKWYNAWNEKRRVYEE 111
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            73.9%;
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tes 77; Conserv
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SEQUENCE FROM N.A.
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                                                                         Sus scrofa (Pig)
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                                                                                                                                                                                                                    PubMed=15242943;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=MGC84138;
                                                   Name=CXCL14;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 AAALLILILALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWVIITTKSVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                          13 MRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                              ;
                                                                                                                                                                                                               Small inducible cytokine B14.
By similarity.
By similarity.
F -> S (in Ref. 2).
754BD6CDA01CA25D CRC64;
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Pred. No. 1.8e-44;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                           5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=C57BL/6J; TISSUB=Placenta;
Schilderink N., Geerts D.;
Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF352784 AAK52902.1; -..
EMBL; AP352785; AAK52903.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            95 AA; 11202 MW; EA9DOF5A7CA64F1C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    73 KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
MP2Qamman (Fragment)
Mus musculus (Mouse).
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(TrEMBLrel. 28, Last sequence update)
                                                                                            PERM, PF00048; ILB; 1. PRINTS; PR00436; INTERLEUKINB.
PROSITE; PS00471; SMALL_CYTOKINES_CXC; FALSE_NEG.
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                                                                                                                                                                                                                                                                                                                                                          Score 489; DB 1;
Pred. No. 1.5e-44;
3; Mismatches 5;
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GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:000695; P:immune response; IEA.
Pfam; PP00048; ILB; I.
MGD; MGI:1888514; Cxcl14.
InterPro; IPR002473; C-X-C/Interlkn 8.
InterPro; IPR001811; Chemokine_IL8.
InterPro; IPR001089; CXC_chmkine_smll.
                                                                                                                                                                                                                                                                                                              99 AA; 11802 MW;
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91.9%;
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90; Conservative
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99
72
64
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                                                                                                                                                                      Cytokine; Signal.
SIGNAL
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QGEKX6;
25-OCT-2004
25-OCT-2004
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Best Local
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RESULT 7 (2010)

RESULT 8

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Q6EKK6 ID Q6 AC Q6 DT 25 DT 25

92 9

Gaps

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Length 79; 0; Indels

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TISSUB-Brain;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

A Straueberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

A Rlausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

A Altschul S.F., Zeeberg B., Buerow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haich F.,

A Diatchenco L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Stapleton M.J. Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

A Raha S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Nilalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

A Pahey J., Helton B., Ketrman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

Rodriguez A.C., Garimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,

T "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Cranĭata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                       05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
99 AA
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SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 MRPITAALILLLVAVSTLHVEGSKCKCSRKGPKIRFTDVQKLEIKPKYYYCERRIIVTM 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MNRCTAALLLLVIAVYSLNTEAYKCRCTRKGPKIRYKDVQKLEIKPKHPYCQEKMIFVTM 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                13 MRLLAAALLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cyprinus carpio (Common carp).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes,
Cyprinidae, Cyprinus.
                                                                                                                      Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W., Richardson P.;
                                                                                                                                                                                 'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Huising M.O., Ster R.J.M., Kruiswijk C.P., Savelkoul H.P., Lidy Verburg-van Kemenade B.M.;
Lidy Verburg-van Kemenade B.M.;
"Molecular evolution of CXC chemokines: extant CXC chemokines originate from the CNS.";
Trends Immunol. 24:307-313 (2003).

EMBL; AJ536028; CAD5917.11;
GO; GO:0008099; F:chemokine activity; IEA.

GO; GO:0008099; F:chemokine response; IEA.
InterPro; IPR002473; C-X.C/Interlkn 8.
InterPro; IPR001911; Chemokine IL8.

ENTIRE CONTROL OF CONTRO
                                                                                  MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ch 67.0%; Score 393; DB 2; Length 99; I Similarity 66.7%; Pred. No. 2.9e-34; 66; Conservative 22; Mismatches 11; Indels
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                                                                                                                                                                                                                                                                                                                                                                  Klein S., Gerhard D.S.;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL, BCO14316; AAH74316.1; --
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0006959; F:chemokine activity; IEA.
GO; GO:0066955; P:immune responses; IEA.
InterPro; IPRO1811; Chemokine ILB.
SEQUENCE 99 AA; 11773 MW; 3810E6E091D60E89 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11896 MW; F8086EC4F896D693 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYEE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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05-JUL-2004 (TrEMBLrel. 27, Last seq
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                                                                                                                                                                                                                  initiative.";
Dev. Dyn. 225:384-391(2002)
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                          SEQUENCE FROM N.A
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NCBI_TaxID=7962;
                                                              rissum=Brain;
                                                                                                                                                                                                                                                                                                                                              TISSUE-Brain;
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13 MRLIAAALLILILIALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWVIITT
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Actinopterygii, Neopterygii, Teleostei, Ostariophysi, Cypriniformes,
Cyprinidae, Danio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gekko japonicus.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Lepidosauria; Squamata; Scleroglossa; Gekkota; Gekkonidae; Gekko.
NCBI_TaxID=146911;
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SEQUENCE FROM N.A.
1 ISSUE=Brain;
L Submitted (MAX-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AC41884; AAT68235.1; -.
R GO; GO:0006909; F:chemokine activity; IEA.
R GO; GO:0006909; F:chemokine activity; IEA.
R GO; GO:0006909; P:immune response; IEA.
R GO; GO:00000909; P:immune response; IEA.
R GO; GO:0000909; 
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110
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Last annotation update)
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                                           ::|||::|||:||||:||||| :|||| ENVSRFKGGEYCLHPRLGSTKONLVKWFKIWKDKHRVYE
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Q9DFG4;
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CX STRAIN-Singapore local strain; TISSUB-Embryo;

CX Straubberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

CATALLA Singapore local strain; TISSUB-Embryo;

CX Straubberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

CALLA Straubberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

CALLA Strauberg R.L., Zeeberg B., Buerow K.H., Schaefer C.F., Bhat N.K.,

CALLA Stableron M., Soares M.B., Bornaldo M.E., Rubin G.M., Hong L.,

CALLA Stapleton M., Joudin T.B., Toshiyuki S., Carninci P., Frange C.,

CALLA Stapleton M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

CALLA S.A., McEwan P.J., McKernan K.J., Abramson R.D., Mullahy S.J.,

CALLA S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

CALLA S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

CALLA S.A., McEwan P.J., McKernan M., Madan A.M., Gay L.J., Hulyk S.W.,

CALLA S.A., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

CALLA S.A., McMan A., Young A.C., Shevchenko Y., Bouffard G.G.,

CALLA S.A., McMan A., Young A.C., Shevchenko Y., Bouffard G.G.,

CALLA S.A., Maring M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S.,

CALLA S.A., More M.J., Smailus D.E., Schnerch A., Schein J.E.,

CALLA S.A., McMan A., Solska U., Smailus D.E., Schnerch A., Schein J.E.,

CALLA S.A., Marka M.J., Schmutz J., Myers R.M., Butterfield Y.S.,

CALLA S.A., Marka M.J., Schmutz J., Myers R.M., Butterfield Y.S.,

CALLA S.A., Marka M.J., Smailus D.E., Schnerch A., Schein J.E.,

CALLA S.A., Marka M.J., Schmutz J., Myers R.M., Butterfield Y.S.,

CALLA S.A., Marka M.J., Smailus D.E., Schnerch A., Schein J.E.,

CALLA S.A., Marka M.J., Smailus G. More than 15,000 full-length human
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Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A., "Genes S.J., Marra M.A., "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
NCBI_TaxID=7955;
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9
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                                                                                                                                                                                                                                                                                                                                                                                                                                22; Indels
                                                                                                                                                                                              Strausberg R.;
Submitted (ANG-2003) to the EMBL/GenBank/DDBJ databases.
Submitted (ANG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; ECOS6594; AAH56594.1; -.
ZFIN; ZDB-GENE-000619-1; scyba.
ZFIN; ZDB-GENE-000619-1; scyba.
GO; GO:0008099; F:chemokine activity; IEA.
GO; GO:0006955; P:immune response; IEA.
                                                                                                                                                                                                                                                                                                                                                               150 AA; 17920 MW; 707ECCB934F5FFFD CRC64;
                                                                                                                         Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                57.4%; Score 337; DB 2;
51.4%; Pred. No. 4.5e-28;
ive 26; Mismatches 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Brachydanio rerio (Zebrafish) (Danio rerio).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Created)
                                                                                                                                                                                                                                                                                                                           InterPro; IPR001811; Chemokine IL8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 51.4'
                                                                                                        and mouse cDNA sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scyba protein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             and mouse cDNA sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                   rissum=Kidney;
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q66L61;
                                                                                                                                                                                                                                                                                                                                                NON TER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q66L61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      49 RRLQBVVNKLLGMNRCSTAALFLLVIAVYSLNTBAYKCRCTRKGPKIRYIDVQKLEIKPK 108
                                                                                                                                                                                                                                                                                                                                                                                                                   23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      73
                                                                                                                                                                                                                                                                                                                                                                                                                   6 RRAPPVSMRLL-----AAALLLLLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14 RLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWVIITTK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
MEDIINE-20480374; PubMed=11025222; DOI=10.1016/S0925-4773(00)00408-1;
Long Q., Quint E., Lin S., Ekker M.;
"The zebrafish scyba gene encodes a novel CXC-type chemokine with
distinctive expression patterns in the vestibulo-acoustic system
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=scyba; Synonyms=Scyba;
Brachydanio rerio (Zebrafish) (Danio rerio).
Eukaryota; Mecazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60 YPHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIKWYNAWNEKRRVYE 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 109 HPYCQEKAIFVTMENVSRFKGQEYCLHPRLQSTRNLVKWFKIWKDKHRTFE 159
                                                                                                                                                                                                                                                                                                                                                         9
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ch 57.1%; Score 335; DB 2; Length 100; 1 Similarity 54.6%; Pred. No. 4.8e-28; 53; Conservative 25; Mismatches 19; Indels
                                                                                                                                                                                                                                                                                             Query Match 57.4%; Score 337; DB 2; Length 160; Best Local Similarity 51.4%; Pred. No. 4.8e-28; Matches 57; Conservative 26; Mismatches 22; Indels
SEQUENCE FROM N.A.
SEQUENCE FROM N.A.
STRAIN-SINGADOR I Local strain; TISSUE-Embryo;
Director MGC Project;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC078422; AAH78422.1; -.
InterPro; IPR011811; Chemokine_IL8.
NON TER
1
SEQUENCE 160 AA; 18855 MW; 9A208A7AFB8A1A23 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GO; GO:0005576; C:extracellular; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0006955; P:immune response; IEA.
InterPro; IPRO01811; Chemokine ILB.
SEQUENCE: 100 AA; 12016 MW; 274BE255A74F98B5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74 SVSRYRGOEHCLHPKLOSTKRFIKWYNAWNEKRRVYE 110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     63 NVSRFKGQEYCLHPRLQSTRNLVKWPKIWKDKHRTFE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL; AF279919; AAG09819.1; -
ZFIN; ZDB-GENE-000619-1; scyba
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         during embryogenesis.";
Mech. Dev. 97:183-186(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (TrEMBLrel. 16, (TrEMBLrel. 16, 1) (TremBLrel. 25, 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CXC-type chemokine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Danio.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cyprinidae, Dani-
NCBI_TaxID=7955;
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STRAIN=Wistar;
                                                                                                                                                                                                                                                                                                                                                           53;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           family.
                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    beta)
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STRAIN=C57BL/6; TISSUE=Brain;

STRAIN=C57BL/6; TISSUE=Brain;

STRAIN=C57BL/6; TISSUE=Brain;

Straubbearg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Rlausner R.D., Collins F.S., Wagner L., Schemen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haish F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Uddin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Richards S.W. Worzey K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Nilalon D.K., Muzny D.M., Sodergen B.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skaleku U., Smailus D.E., Schnerch A., Schein J.E.,

Generation and initial analysis of more than 15,000 full-length human and mouse CDNA sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13 MRLLAAALLLLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVIITT 72
                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Score 322.5; DB 2; Length 98;
; Pred. No. 1e-26;
19; Mismatches 18; Indels 3
                                                                                                                                                                                                                                                                                                                      Hartl M., Bister K.;
Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                              GO; GO:0005576; C:extracellular; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0006955; P:immune response; IEA.
InterPro; PRR001811; Chemokine ILB.
SEQUENCE 98 AA; 11564 MW; 30D88E540AADD35B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73 KSVSRYRG-QEHCLHPKLQSTKRFIKWYNAWNEKRRVYBE 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  --WTKVRGEQQHCLNPKRQNTVRLLKWYRVWKEKGRVYEE 98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 AA
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STRAIN=C57BL/6; TISSUE=Brain;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   54.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60.08;
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                                                                                                                                                                                                                                                                                                                                                                                     EMBL; AF285876; AAG00529.1;
HSSP; P02778; 107Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               60; Conservative
Jun-suppressed chemokine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
                                                               Gallus gallus (Chicken)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                           TISSUE=Fibroblast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=10090;
                                                                                                                                                                                       NCBI_TaxID=9031;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cxcl14 protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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QGAXC2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 MRLILAAALLILLLLALYTARVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKMVII 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Identification of cytokine-induced neutrophil chemoattractants (CINC), rat GRO/CINC-2 alpha and CINC-2 beta, produced by granulation tissue in culture: purification, complete amino acid sequences and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-OCT-1996 (Rel. 34, Created)
01-OCT-1996 (Rel. 34, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Macrophage inflammatory protein-2-beta precursor (MIP2-beta) (CINC-2-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rattus norvegicus (Rat).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  novel
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--- FUNCTION: May play a role in inflammation and exert its effects endothelial cells in an autocrine fashion.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MELLAAALLILLILALCASRVDGSKCKCSRKGPKIRYSDVKKLEMKPKYPHCEEKWWWV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE-96183056; Pubmed-sovvoz, ..., Shibata F., Kato H.;
Nakagawa H., Shiota S., Takano K., Shibata F., Kato H.;
"Cytokine-induced neutrophil chemoattractant (CINC)-2 alpha, a I
                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Wistar;
MEDLINE=96183056; PubMed=8607872; DOI=10.1006/bbrc.1996.0511;
MEDLINE=96183056; PubMed=8607872; Adibata F., Kato H.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=94318061; PubMed=8043001;
Nakagawa H., Komorita N., Shibata F., Ikesue A., Konishi K.,
Fujioka M., Kato H.;
                                                                                                                                                                                                                                                                                                                                    Length 61;
                                                                                                                                                                                                                                                                                                                                                                                                         Indels
Director MGC Project;
Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases.
BMBL; BC079661; AAH79661.1; -.
GO; GO:0005615; C:extracellular space; TAS.
InterPro; IPR001473; C-X-C/Interlkn 8.
InterPro; IPR001811; Chemckine IL8.
PRINTS; PR00436; INTERLEUKINS.
                                                                                                                                                                                                                                                               61 AA; 6986 MW; 049D9D11BB974941 CRC64;
                                                                                                                                                                                                                                                                                                                                    47.0%; Score 276; DB 2; 91.4%; Pred. No. 6.1e-22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Æ
                                                                                                                                                                                                                                                                                                                                                                                                         3; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 100
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InterPro; IPR001811; Chemokine ILB.
InterPro; IPR001089; CXC_Chmkine_smll.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; D21095; BAA04657.1; -. PIR; S46198; S46198.
HSSP; P10889; 1MI2.
                                                                                                                                                                                                                                                                                                                                                                          ilarity 91.4%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
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MEDLINE-98236997; PubMed-9576061; DOI=10.1006/cyto.1997.0271;
MEDLINE-98236997; PubMed-9576061; DOI=10.1006/cyto.1997.0271;
Shibata F., Konishi K., Nakagawa H.;
Gene structure, CDNA cloning, and expression of rat cytokine-induced neutrophil chemoattractant 2 (GRO/CINC-2) gene.";
Cytokine 10:169-114(1998).
EMBL: D87927; BAB12280.1; -.
EMBL: D87927; BAB12279.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                   Gaps
                                                                                                             Macrophage inflammatory protein-2-beta.
By similarity.
By similarity.
By Similarity.
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                                                                                                                                                                                       DB 1; Length 100;
                                                                                                                                                                                    24.4%; Score 143.5; DB 1; Length 35.1%; Pred. No. 1.6e-07; ive 19; Mismatches 31; Indels
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CINC-2 alpha.
D949D5712FB30909 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                       61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                    PROSITE; P800471; SMALL CYTOKINES CXC; 1.
Chemotaxis; Cytokine; Direct protein sequencing;
Inflammatory response; Signal.
SIGMA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24.4%; Score 143.5; DB 2
35.1%; Pred. No. 1.6e-07;
tive 19; Mismatches 31
                                                                                                                                                                                                                                                                                                                                                                                                         101 AA
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GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0006955; P:immune response; IEA.
InterPro; IPR001811; CA-C/Interlkn 8.
InterPro; IPR001811; Chemokine IIB.
InterPro; IPR00189; CXC_chmkine_smll.
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PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Created)
                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PFam; PF00048; ILB; 1.
PRINTS; PR00434; INTERLEUKINB.
PRINTS; PR00435; SMALLCYTKCXC.
SMART; SM00199; SCY: 1.
            PRINTS; PR00436; INTERLEUKINB.
PRINTS; PR00437; SMALLCYTKCXC.
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33 101 C
101 AA; 11109 MW;
                                                                                                                                                         100 AA; 10989 MW;
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                                                                                                                                                                                                                  34; Conservative
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                                          SMART; SM00199; SCY; 1.
                                                                                                               100
63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CINC-2 alpha precursor.
Rattus norvegicus (Rat)
 Pfam; PF00048; IL8; 1.
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34; Conserv
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DISULFID
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/amnounce/or send an email to license@isb.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Shao W., Jerva L.F., West J., Lolis E., Schweitzer B.I.;
"Solution structure of murine macrophage inflammatory protein-2.";
Biochemistry 37:8303-8313(1998).
--- FUNCTION: Chemotactic for human polymorphonuclear leukocytes but does not induce chemokinesis or an oxidative burst.
--- SUBUNIT: Homotetramer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDLINE-89098980; PubMed-2643119; Wolpe S.D., Sherry B., Juers D., Davatelis G., Yurt R.W., Cerami A.; "Identification and characterization of macrophage inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -1- SIMILARITY: Belongs to the intercrine alpha (chemokine CxC)
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MEDLINES90354792; PubMed=2201751;
Tekamp-Olson P., Gallegos C., Bauer D., McClain J., Sherry B.,
Fabre M., van Deventer S., Cerami A.;
Fabre M., van devaracterization of cDNAs for murine macrophage
inflammatory protein 2 and its human homologues.";
J. Exp. Med. 172:911-919(1990).
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3D-structure; Chemotaxis; Cytokine; Direct protein sequencing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=98285558; PubMed=9622482; DOI=10.1021/bi980112r;
                                                                                                                                                                                                                                                                                  01-JUJ-1989 (Rel. 11, Created)
01-FEB-1991 (Rel. 17, Last sequence update)
5-OCT-2004 (Rel. 45, Last annotation update)
Macrophage inflammatory protein 2 precursor (MIP2)
Name-Cxcl2; Synonyms=Mip-2, Mip2, Scyb2;
61 PHCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                      61 PHCTQTEVIATLKD-----GQEVCLNPQAPRLQKI1Q 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Proc. Natl. Acad. Sci. U.S.A. 86:612-616(1989).
                                                                                                                                                                                                                            100 AA
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InterPro; IPR002473; C-X-C/Interlkn 8.
InterPro; IPR01811; Chemokine_IL8.
InterPro; IPR001089; CXC_chmkine_smll.
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PRINTS; PRO0437; SMALLCYTKCKC.
SMART; SMO0199; SCY; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Inflammatory response; Signal. 3IGNAL 1 27
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                                                                                                                                                                                                                            STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse)
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NCBI_TaxID=10029;
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P09340;
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GRO CRIGR
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A Croxcon R., Gonzalo J.A., Rubio A., Wells M., Waldmann H.;
Truelo-conditioned dendritic cells, decommissioned for recruitment of
adaptive immunity, elicit innate inflammatory gene products in
T response to danger signals.";
J. Immunol. 172:2201-2209(2004).
E.M. A7311404; AAQ86330.1;
R. EMBL; A7311404; AAQ86331.1;
R. GO; GO:000595; P:chemokine activity; IEA.
GO; GO:000595; P:chemokine activity; IEA.
R. GO; GO:000595; P:chemokine activity.
R. GO; GO:000595; P:chemokine activity.
R. InterPro; IPR001431; Chemokine ILB.
R. InterPro; IPR001431; Chemokine EnBl.
R. InterPro; IPR001831; Chemokine EnBl.
R. InterPro; IPR001831; Chemokine EnBl.
R. InterPro; IPR001831; Chemokine EnBl.
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100 dendritic cell inflammatory protein-1.
10686 MW; 292AE7DA28DE525C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27; Indels 12;
                                                                                                                                                                                                                                                 23.5%; Score 138; DB 1; Length 100; 33.3%; Pred. No. 6.3e-07; ive 21; Mismatches 31; Indels 1
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                                                                                                                                                                                                            10621 MW; B9EF0A3218EE92B5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Dendritic cell inflammatory protein-1 precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                          62 HCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                   23.0%; Score 135; DB 2; 36.8%; Pred. No. 1.3e-06; tive 16; Mismatches 27;
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PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
STRAIN=129/Svx129/Sv-CPF1, and CBA/Ca;
PubMed=14764687;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pfam; PF00048; IL8; 1.
PRINTS; PR00436; INTERLEUKINB.
PRINTS; PR00437; SMALLCYTKCXC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                             32; Conservative
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les 32; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
445977799
969977799
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28 1
100 AA;
                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Name=Dcip1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
                                                                                                                                                                                                          SEQUENCE
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STRAND
TURN
                                                                               STRAND
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SIGNAL
                                                                                                                           STRAND
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Q6W5C0
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Anisowicz A., Bardwell L., Sager R.;
Anisowicz A., Bardwell L., Sager R.;
"Constitutive oversypression of a growth-regulated gene in transformed Chinese hamster and human cells.";
Proc. Natl. Acad. Sci. U.S.A. 84:7188-7192(1987).
-I - FUNCTION: Has chemotactic activity for neutrophils.
-i - SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8 APPVSMRLLAAAALLLLLLALYTARVDGS-----KCKCSRKGPKIRYSDVKKLEMKPKYP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Cetartiodactyla, Suina, Suidae, Sus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=CXCLī; Synonyms=GRO, SCYBI;
Cricetulus grieeus (Chinese hamerer).
Bukaryota: Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Cricetinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22.4%; Score 131.5; DB 2; Length 107; 34.4%; Pred. No. 3.3e-06; Live 16; Mismatches 36; Indels 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
Kim J.G., Vallet J.L., Rohrer G.A., Christenson R.K.;
Kim J.G., Vallet J.L., Rohrer G.A., Christenson R.K.;
Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AYS78786; AAS91557.1; -.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
InterPro; IPR002473; C-X-C/Interlkn_8.
InterPro; IPR001891; Chemokine_ILB.
InterPro; IPR001899; CXC_chmkine_smll.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRINTS; PRO0436; INTERLEUKINB.
PRINTS; PRO0437; SMALLCYTKCXC.
SMART; SM00199; SCY; 1.
PRO51TE; PS00471; SMALL CYTOKINES CXC; 1.
SEQUENCE 107 AA: 111243 MW; C6C45D5008C652CB CRC64;
                                                                                                                                                                                                                                                                                                05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Chemokine (C-X-C motif) ligand 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-1989 (Rel. 10, Created)
01-MAR-1989 (Rel. 10, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
Growth regulated alpha protein precursor (CXCL1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 HCBEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
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62 HCEEKMVIITTKSVSRYRGQEHCLHPK 88
                                             61 HCTQTEVIATLKD-----GQEVCLNPQ 82
                                                                                                                                                                                                                                     PRT;
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                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STANDARD;
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34.48;

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33; Conservative
 Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            functions.";
                                                                                                                                                                                                               MI2A HUMAN
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                                                                                                                                                                                               MI2A_HUMAN
               Matches
                                                                                                                                                                              RESULT 24
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                                        This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@ibs-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Suina; Suidae; Sus.
NCBI_TaxID=9823;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12;
SIMILARITY: Belongs to the intercrine alpha (chemokine CxC)
                                                                                                                                                                                R HSSP, P1987-1 JONK.

R INCETPO'S IPRO02473; C-X-C/Interlkn 8.

R INCETPO'S IPRO01891; Chemokine_IL8.

R INCETPO'S IPRO01891; CX-Chmkine_smll.

R PRINTS; PRO0448; INTERLEUKIN8.

R PRINTS; PRO0437; SMALLCYTKCXC.

DR ROSITE; PSO0471; SMALL_CYTKXXC.

DR PROSITE; PSO0471; SMALL_CYTKINES_CXC; 1.

CYCKINE; Growth factor; Inflammatory response; Signal.

KW CYtCKine; Growth factor; Inflammatory response; Signal.
                                                                                                                                                                                                                                                                                                                                                              Growth regulated alpha protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 101;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kim J.G., Vallet J.L., Rohrer G.A., Christenson R.K.; Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AYS77905, AAS90943.1. -.
GO; GO:0005576; C:extracellular; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
InterPro; IPR001811; Chemokine ILB.
InterPro; IPR001811; Chemokine ILB.
InterPro; IPR00189; CXC_chmkine_smll.
Pfam; PR00448; ILB; INTERLEUKINB.
PRINTS; PR00437; SMALLCYTKCXC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TALL CYTOKINES CXC; 1.
11227 MW; C6C44351E8C652CB CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                        666FB7E9CC512019 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                      22.3%; Score 131; DB 1;
31.6%; Pred. No. 3.6e-06;
iive 21; Mismatches 32;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CEEKWVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          By similarity.
By similarity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 107 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Created)
                                                                                                                                                                                                                                                                                                                                                                                                        101 AA; 10893 MW;
                                                                                                                                                             EMBL; J03560; AAA36985.1; -. PIR; B28414; B28414.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                            63
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
les 30; Conserv
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SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                            DISULFID
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DB 2; Length 107;

22.2%; Score 130.5;

Query Match

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TISSUE=EP.5.

WEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

X Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Rausner R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Brownstein M.J., Usdin T.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Youchman J.W., Green E.D., Dickson M.C.,

Blakesley R.W., Touchman J.W., Schmutz J., Myers R.M.,

Rodriguez A.C., Grimwood J., Schmutz J., Marra M.A.;

Rothercfield YS.N., Krzywniski M.I., Skalska U., Smailus D.E.,

Butterfield YS.N., Krzywniski M.I., Skalska U., Smailus D.E.,

Generation and initial analysis of more than 15,000 full-length human
                     5;
                                                                61
                                                                                                              67
                                                                                                                                                                                                                                                                                                                                   P1975; G90PB8; 01-FEB-1991 (Rel. 17, Created) 01-FEB-1991 (Rel. 17, Last sequence update) 25-0CT-2004 (Rel. 45, Last amonation update) Macrophage inflammatory protein-2-alpha precursor (MIP2-alpha) (CXCL2) (Growth regulated protein beta) (Gro-beta) [Contains: GRO-beta(5-73) (GRO-beta-T) (SB-251353) (Hematopoietic synergistic factor) (HSF)].
                                                                8 APPVSMRLLAAALLLLLLALYTARVDGS-----KCKCSRKGPKIRYSDVKKLEMKPKYP
                                                                                               8 ASPCAPRFLRAALLILLLVAAGRRTAGAPVGGELRCQCLQTVQGIHLKNIQDLKVTSPGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
MEDLINE=90377259; PubMed=2078213;
Iida N., Grotendorst G.R.;
"Cloning and sequencing of a new gro transcript from activated human monocytes: expression in leukocytes and wound tissue.";
Mol. Cell. Biol. 10:5596-5599(1990).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
MEDLINE=91017578; PubMed=2217207;
Haskill S., Peace A., Morris J., Sporn S.A., Anisowicz A., Lee S.W.,
Smith T., Martin G., Ralph P., Sager R.;
"Identification of three related human GRO genes encoding cytokine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                     11;
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MEDLINE-80354792; PubMsd=2201751;
Tekamp-0180n P., Gallegos C., Bauer D., McClain J., Sherry B. Pabre M., van Deventer S., Cerami A.;
Fabre M., van Deventer S., Cerami A.;
"Cloning and characterization of cDNAs for murine macrophage inflammatory protein 2 and its human homologues.";
J. Exp. Med. 172:911-919(1990).
                   36; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Proc. Natl. Acad. Sci. U.S.A. 87:7732-7736(1990).
                                                                                                                                                           62 HCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                                                                                                                                                     Pred. No. 4.3e-06; 
; Mismatches 36
                                                                                                                                                                                                                                                                                                                         107 AA.
                                                                                                                                                                                                                                                                                                                         PRT;
                   16;
                                                                                                                                                                                                                                                                                                                         STANDARD;
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61

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8 AAPSNPRILRVALILILILUAASRRAAGAPLATELRCQCLQTLQGIHLKNIQSVKVKSPGP 67
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                                            Macrophage inflammatory protein-2-alpha.
GRO-beta(5-73).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modi W.S., Yoshimura T.;
"Isolation of novel GRO genes and a phylogenetic analysis of the CXC chemokine subfamily in mammals.";
Mol. Biol. Bvol. 16:180-193(1999).

EMBL; U95808; AAB93924.1; -.
PIR; S17507; S17507.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Craniata, Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                            Length 107;
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GO, GO:000595; C:extracellular; IEA.
GO, GO:0006955; P:chemokine activity; IEA.
GO; GO:0006955; P:immune response; IEA.
InterPro; IPR001811; Chemokine_IEB.
InterPro; IPR001891; Chemokine_IEB.
InterPro; IPR001899; CXC_chmkine_smll.
Pfam; PF00481; ILB; ILB; ILB; ILB; ILB; ILB; ILB; IRB; PR00485; INTERLEUKINB.
PRINTS; PR00437; SMALLCYTKCXC.
SMART; SM00199; SCY; I.
PROSITE; PS00471; SMALL CYTOKINES CXC; 1.
SMART; SM00199; SCY; I.
SEQUENCE 108 AA, 11261 MW; 9C278041FC7ASBAD CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                    102
11389 MW; 740F277E928571BA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryotā, Metazoa, Chordata, Craniata, Vertebrata, Eu:
Mammalia, Eutheria, Lagomorpha, Leporidae, Oryctolagus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-NOV-1996 (TrEMBLrel. 01, Created)
01-AUG-1999 (TrEMBLrel. 11, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21.9%; Score 128.5; DB 2;
33.3%; Pred. No. 7.1e-06;
ive 15; Mismatches 38;
                                                                                                                                                                                                                                                                                                                                                                                                       DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62 HCEEKMVIITTKSVSRYRGQEHCLHPKLQSTKRFIK 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HCAQTEVIATLKN-----GOKACLNPASPMVKKIIE 98
                                                                                                                                                                                                                                                                                                                                                                                                       21.9%; Score 128.5; DB
33.3%; Pred. No. 7e-06;
iive 18; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         108 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
STRAIN=New Zealand White;
MEDLINE=99152612; PubMed=10028286;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Oryctolagus cuniculus (Rabbit).
  Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 33.34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 33.3
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107
107
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  Inflammatory
                                                                   CHAIN
DISULFID
DISULFID
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                      SIGNAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its most by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                    MEDINE=20069929; PubMed=10600366; DOI=10.1006/jmbi.1999.3333;
MEDINE=20069929; PubMed=10600366; DOI=10.1006/jmbi.1999.3333;
Qian Y.Q., Johanson K.O., McDevitt P., A., Dolitta P., A., Johanson K.O., McDevitt P., A., McLear magnetic resonance solution structure of truncated human GRObeta [5-73] and its structural comparison with CXC chemokine family members GROalpha and 1L-8.";
J. Mol. Biol. 294:1065-1072[1999].
-!- FUNCTION: Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta (5-73) shows a highly enhanced
                                                                                                                                                                                                                                                                                                             Identification of unique truncated KC/GRO beta chemokines with potent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PHARMACEUTICAL: GRO-beta(5-73) is available under the name darancestin as immunomodulator. It is used prior to hematopoietic transplantation for peripheral blood stem cell mobilization and reduction of incidence, duration, and/or severity of chemotherapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hematopoletic activity.
SUBCELLULAR LOCATION: Screted.
PTW: The N-terminal processed form GRO-beta(5-73) is produced by
proteolytic cleavage after secretion from bone marrrow stromal
                                                                                                                                                                                                                                       King A.G., Johanson K., Frey C.L., DeMarsh P.L., White J.R., McDevitt P., McNulty D., Balcarek J., Jonak Z.L., Bhatnagar P.K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            induced cytopenias.
SIMILARITY: Belongs to the intercrine alpha (chemokine CxC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SMART; SM00199; SCY; 1.
PROSITE; PS00471; SMALL_CYTOKINES_CXC; 1.
3D-structure; Chemotaxi8; Cytokine; Direct protein sequencing;
                                                                                                                                                               SEQUENCE OF 39-56, IDENTIFICATION OF GRO-BETA(5-73) BY MASS SPECTROMETRY, N-TERMINAL PROCESSING, AND FUNCTION. PubMed=10725737;
                                                                                            Jang J.S., Kim B.E.;
Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.
  and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                      hematopoietic and anti-infective activities."; J. Immunol. 164:3774-3782(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GO; GO:0005615; C:extracellular space; TAS. GO; GO:0005625; C:soluble fraction; TAS. GO; GO:0006095; F:chemokaxia; TAS. GO; GO:0006935; P:chemokaxia; TAS. GO; GO:0006954; P:inflammatory response; TAS. InterPro; IPRO012471; C.X-C/Interlkn_8. InterPro; IPRO01099; CXC_chmkine_smll.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; BC015753; AAH15753.1; -. EMBL; AF043340; AAC03540.1; -. PIR; JH0281; JH0281. PDB; 1QNK; NWR; A/B=-. Genew; HGNC:4603; CXCL2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRINTS; PR00436; INTERLEUKINB.
PRINTS; PR00437; SMALLCYTKCXC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; X53799; CAA37808.1; -.
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                                                                        SEQUENCE OF 35-107 FROM N.A.
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H-InvDB, HIX0004287; --
MIM; 139110; --
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